NOTIFICATION OF REVISION

Addendum No. 2

Solicitation Name:	Building Addition and Renovation.
Solicitation Number:	201402765
Date:	Wednesday, Sept 23, 2013

In response to Questions received during the tender period

Question 1

Is security clearance required for individual attending site visit?

Response: Security clearance is not required to attend the site walk-thru, all contractors will be escorted. All contractors will require an active security clearance after the initial site visit.

Question 2

What is the typical processing time for security clearance documents once they are received by the RCMP? (Reference Item #3 of SC01).

Response: the average processing time for a Facility Access clearance, assuming all required information was provided on the application, is 2-4 weeks.

Question 3

Do personnel require “Reliability Status” in order to obtain “Facility Access” required for this project?

Response: No, Facility Access is only required for this project but the Departmental Representative reserves the right to request a Reliability Status be sought.

END OF SECTION

NOTIFICATION OF REVISION

Addendum No. 2

Solicitation Name: Building Addition and Renovation.
Solicitation Number: 201402765

Date: Wednesday, Sept 23, 2013

1. ARCHITECTURAL

1.1 SPECIFICATIONS

.1 Section 01 30 00 Furniture and Equipment Move Services

.1 Revised inventory list of equipment attached (41 pages)
Equipment inventory identifies Existing, Contractor and Owner supplied equipment.

1.2 DRAWINGS

.1 Refer to drawing A01-00 Phasing Plan

.1 Inventory of Existing, Owner and Contractor supplied equipment is attached to this addendum (41 pages).

.2 Revise Note as follows:
Building facilities need to remain operable during building construction and renovation. All temp barriers/access to be installed by contractor.

Contractor to be responsible for move management of all Existing, Owner supplied and Contractor purchased equipment and furniture including disconnection, connection, equipment and furniture set up.

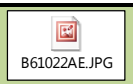
END OF ADDENDUM

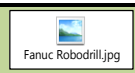
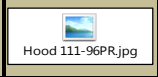
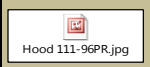
EQUIPMENT INVENTORY

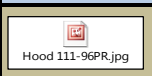
1426 St.Joseph Blvd, Orleans, Ontario

Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
	Room 112		**[Binder Tab 2]**									
Existing Room 101	Room 112	Yes	13 Drawer Cabinet	Parts Cab_01.jpg	670 mm 26 in	271 mm 11 in	1520 mm 60 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	10 Drawer Cabinet	Parts Cab 02.jpg	670 mm 26 in	700 mm 28 in	1500 mm 59 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	10 Drawer Cabinet	Parts Cab 03.jpg	670 mm 26 in	700 mm 28 in	1500 mm 59 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	10 Drawer Cabinet	Parts Cab 04.jpg	670 mm 26 in	700 mm 28 in	1500 mm 59 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	9 Drawer Cabinet	Parts Cab 5.jpg	670 mm 26 in	700 mm 28 in	1500 mm 59 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	13 Drawer Cabinet	Parts Cab 06.jpg	670 mm 26 in	750 mm 30 in	1520 mm 60 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	6 Drawer Cabinet	Parts Cab 07.jpg	770 mm 30 in	750 mm 30 in	1520 mm 60 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	6 Drawer Cabinet	Parts Cab 08.jpg	770 mm 30 in	750 mm 30 in	1520 mm 60 in	500 lbs	N/A	No		
Existing Room 101	Room 112	Yes	13 Drawer Cabinet	Parts Cab 09.jpg	670 mm 26 in	690 mm 27 in	1530 mm 60 in	500 lbs	N/A	No		
Existing Room 104	Room 112	Yes	8 Drawer Cabinet	Parts Cab_A.jpg	1200 mm 47 in	630 mm 25 in	1530 mm 60 in	500 lbs	N/A	No		
Existing Room 104	Room 112	Yes	13 Drawer Cabinet	Parts Cab_B.jpg	670 mm 26 in	690 mm 27 in	1530 mm 60 in	500 lbs	N/A	No		
Existing Room 104	Room 112	Yes	13 Drawer Cabinet	Parts Cab_C.jpg	610 mm 24 in	690 mm 27 in	1530 mm 60 in	500 lbs	N/A	No		
Existing Room 104	Room 112	Yes	10 Drawer Cabinet	Parts Cab_D.jpg	670 mm 26 in	685 mm 27 in	1530 mm 60 in	500 lbs	N/A	No		
Existing Room 104	Room 112	Yes	13 Drawer Cabinet	Parts Cab_E.jpg	610 mm 24 in	690 mm 27 in	1530 mm 60 in	500 LBS	N/A	No		

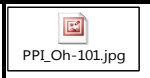
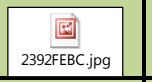
Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
	Room 114		**[Binder Tab 3]**									
Owner Supplied	Room 114	No	Baldor 2048-151D Sander		457 mm 18 in	357 mm 14 in	1473 mm 58 in	88 lbs	115/230 V	No		
Owner Supplied	Room 114	No	BALDOR 8107WD Grinder		860 mm 34 in	350 mm 14 in	1380 mm		115/230 V	No		
Existing Room 104	Room 114	Yes	CRAFTEX Drill Press and Bench		1867 mm 74 in	762 mm 30 in	1930 mm 76 in	500 lbs	120 V	No		
Existing Room 104	Room 114	Yes	STANDARD-MODERN 1334 Lathe		1630 mm 64 in	510 mm 20 in	1300 mm 51 in	1450 lbs	115V, 10 amps	No		
	Room 118		**[Binder Tab 4]**									
Existing Room 102	Room 118	Yes	TRUMARK STATION 5000		860 mm 34 in	1310 mm 52 in	2000 mm 79 in	903 lbs	230v	No		
Existing Room 104	Room 118	Yes	MITUTOYO PH-3500		460 mm 18 in	1138 mm 45 in	1155 mm 45 in	341 lbs	100/110/120/220/240V AC (switchable), 50/60Hz	No		
Owner Supplied	Room 118	No	ZEISS Contura G2, 10/12/6		1734 mm 68 in	2030 mm 80 in	2800 mm 82 in	5072 lbs		No		
	Room 125		**[Binder Tab 5]**									
Existing Room 141	Room 125	Yes	Compressor DV Systems SC3050		718 mm 28 in	914 mm 36 in	1845 mm 73 in	1500 lbs	230v3 phase575 3 phase,115v 115 amp	Yes	Minimum 24" around and 60" above Unit	located in a dry, clean, cool, dust free, & well ventilated area
Existing Room 141	Room 125	Yes	Compressor Tank		1016 mm 40 in	1016 mm 40 in	2286 mm 90 in	1500 lbs		N0		
Existing Room 140	Room 125	Yes	ASD 150 Compressor Dryer		679 mm 27 in	503 mm 20 in	980 mm 39 in	192 lbs	230V, single phase 60 Hz			
	Room 121		**[Binder Tab 6]**									
Existing Room 141	Room 121	Yes	FRD 2-35 Oven		2340 mm 912 in	1190 mm 47 in	2450 mm 94 in	945 lbs	480 V	Yes		
Contractor Supplied	Room 121	No	FAST-PAK Paint Booth		1626 mm 64 in	1575 mm 62 in	2743mm 108 in		wired for 480 V, 3-phase 60 hertz unless otherwise requested	Yes		

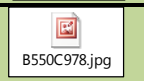
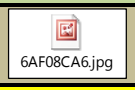
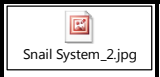
Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
	Room 122		**[Binder Tab 7]**									
Existing Room 115	Room 122	Yes	BALDOR 332B Buffer and stand	Baldor Buffer.jpg	750 mm 30 in	360 mm 14 in	1030 mm 41 in		115/230v	No		
Existing Room 115	Room 122	Yes	BALDOR 8107WD Grinder	Grinder 01.jpg	860 mm 34 in	350 mm 14 in	1380 mm 54 in		115/230	No		
Existing Room 115	Room 122	Yes	Baldor 4028-151D Sander	Baldor 2048-151D Sander.jpg	457 mm 18 in	357 mm 14 in	1473 mm 58 in		115/230	No		
Existing Room 115	Room 122	Yes	CLUSING CS-618 Surface Grinder	CS-618.jpg	1473 mm 58 in	1016 mm 40 in	1803 mm 71 in	1500 lbs	600v 30 amps 3 phase	No		
Existing Room 115	Room 122	Yes	DELTA Sander	Delta Sander.jpg	620 mm 24 in	470 mm 19 in	1250 mm 54 in		115/230v	No		
Existing Room 140	Room 122	Yes	LITTLE BLASTER, LB 4024-3	Little_Blaster.jpg	1295 mm 51 in	965 mm 38 in	1702 mm 68 in		120v	No		
Existing Room 140	Room 122	Yes	BLAST-PACT Sand Blaster, Model: SBP3020-310, Serial :20701	Blast pack.jpg	1219 mm 48 in	1219 mm 48 in	1524 mm 60 in		115V, 60 Hz	No		
Contractor Supplied	Room 122	No	BLAST-PACT Sand Blaster, Model: SBP3020-310	 B61022AE.JPG	1219 mm 48 in	1219 mm 48 in	1524 mm 60 in		115V, 60 Hz	No		
	Room 124		**[Binder Tab 8]**									
Existing Room 115	Room 124	Yes	TECHLEADER Stand Up Mill Kneemill	Techleader.jpg	1981 mm 78 in	1651 mm 65 in	1651 mm 65 in	1500 lbs	575 600V, 3 phase 115V 120 amp, 115V 15 amp	No	In the middle of a 10 foot square space	
Existing Room 115	Room 124	Yes	BRIDGEPORT Stand Up Mill Kneemill	CD85CCC7.jpg	2530 mm 100 in	1620 mm 64 in	2150 mm 85 in	1500 lbs	600 V, 3phase,220v 6.5 amp 115v 20 amp, 115V 15amp	No	In the middle of a 10 foot square space	
Existing Room 115	Room 124	Yes	COLCHESTER MASTER 3250 Lathe	MASTER 3250.jpg	2489 mm 98 in	1321 mm 52 in	1854 mm 73 in	3500 lbs	600 V 3 phase ,115V 20 amps, 115v 15 amps	No	5 feet in front of	
Existing Room 115	Room 124	Yes	Red Tool box on wheels	Red Tool Box.jpg	560 mm 22 in	300 mm 12 in	1010 mm 40 in	100 lbs	N/A	No		
Existing Room 140	Room 124	Yes	IMA Drill Press	IMA Drilling Press.jpg	635 mm 25 in	737 mm 29 in	1727 mm 68 in	1500 lbs	600v 30 amps 3 phase, 230 V 3 phase	No		
Existing Room 115	Room 124	Yes	Cabinet with Green Tool Chest	06.jpg	780 mm 31 in	750 mm 30 in	810 mm 32 in	500 lbs	N/A	No		

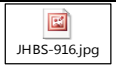
Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
Existing Room 115	Room 124	Yes	Parts Drawer	Parts Drawer.jpg	860 mm 34 in	300 mm 12 in	1090 mm 43 in	200 lbs	N/A	No		
Existing Room 115	Room 124	Yes	Cabinet on wheels	Cabinet .jpg	1220 mm 48 in	610 mm 24 in	1200 mm 47 in	500 lbs	N/A	No		
Room 102	Room 124	Yes	SNAP-ON Tool Box (on Wheels)	SNAP-ON.jpg	980 mm 39 in	550 mm 22 in	1680 mm 66 in	500 lbs	N/A	No		
Owner Supplied	Room 124	No	FANCU Robocut Wire EDM	 Fanuc Robodrill.jpg	2134 mm 84 in	2410 mm 95 in	3048 mm 120 in	4620 lbs	200/220v	No		
Owner Supplied	Room 124	No	Matsuura CNC V.Plus 550	Matsuura CNC.jpg	3090 mm 122 in	4065 mm 160 in	2730 mm 107	8470 lbs	575V/ 3PH/ 60 Cycles	No		
Owner Supplied	Room 124	No	Nakamura-Tone SC-200L Single turning Center	NAKAMURA Turning Center.jpg	2771 mm 109 in	1884 mm 74 in	1965 mm 77 in	110231 lbs	575V, 3 ph, 60 Hz operation	No		
Owner Supplied	Room 124	No	FANCU Robocut Wire EDM	FANUC ROBOCUT.JPG	3190 mm 126 in	3142 mm 124 in	2370 mm 129 in	6900 lbs	220 3-PH, 60 HZ	No		
	Room 127		**[Binder Tab 9]**									
Existing Room 129 B	Room 127	Yes	H.H. Hawkins Fume Hood, Model 111-96PR	Hood 111-96PR.jpg	2438 mm 96 in	832 mm 33 in	2280 mm 90 in		120 V	Yes		Sonic System 1
Existing Room 129 B	Room 127	Yes	Branson 8300	Branson 8300_1.jpg	446 mm 17.5 in	432 mm 17 in	140 mm 5.5 in	30 lbs	120 V	N0		Sonic System 1
Existing Room 129 B	Room 127	Yes	H.H. Hawkins Fume Hood, Model 111-60PR	Hood 111-60PR.jpg	1524 mm 60 in	832 mm 33 in	2280 mm 90 in		120 V	Yes		Sonic System 2
Existing Room 129 B	Room 127	Yes	Branson 8300	Branson 8300_1.jpg	446 mm 17.5 in	432 mm 17 in	140 mm 5.5 in	30 lbs	120 V	No		Sonic System 2
Existing Room 129 B	Room 127	Yes	Sink	Sonic sink.jpg	610 mm 24 in	953 mm 37.5 in	940 mm 37 in		N/A	No		Sonic System Room
Contractor Supplied	Room 127	No	H.H. Hawkins Fume Hood, Model 111-96PR	 Hood 111-96PR.jpg	2438 mm 96 in	832 mm 33 in	2280 mm 90 in		120 V	Yes		Sonic System 3
Contractor Supplied	Room 127	No	H.H. Hawkins Fume Hood, Model 111-96PR	 Hood 111-96PR.jpg	2438 mm 96 in	832 mm 33 in	2280 mm 90 in		120 V	Yes		Sonic System 4

Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
Contractor Supplied	Room 127	No	H.H. Hawkins Fume Hood, Model 111-96PR	 Hood 111-96PR.jpg	2438 mm 96 in	832 mm 33 in	2280 mm 90 in		120 V	Yes		Sonic System 5
Contractor Supplied	Room 127	No	Branson 8300	Branson 8300_1.jpg	446 mm 17.5 in	432 mm 17 in	140 mm 5.5 in	30 lbs	120 V	No		Sonic System 3
Contractor Supplied	Room 127	No	Branson 8300	Branson 8300_1.jpg	446 mm 17.5 in	432 mm 17 in	140 mm 5.5 in	30 lbs	120 V	No		Sonic System 4
Contractor Supplied	Room 127	No	Branson 8300	Branson 8300_1.jpg	446 mm 17.5 in	432 mm 17 in	140 mm 5.5 in	30 lbs	120 V	No		Sonic System 5
Contractor Supplied	Room 127	No	Branson Transducerized Tanks									New Transducerized tank to replace existing tank for Sonic System 1 from room 129 B
Contractor Supplied	Room 127	No	Branson Transducerized Tanks									New Transducerized tank to replace existing tankfor Sonic System 2 from room 129 B
Contractor Supplied	Room 127	No	Branson Transducerized Tanks									Sonic System 3
Contractor Supplied	Room 127	No	Branson Transducerized Tanks									Sonic System 4
Contractor Supplied	Room 127	No	Branson Transducerized Tanks									Sonic System 5
Contractor Supplied	Room 127	No	Branson Pump and Bag Filter									Sonic System 3
Contractor Supplied	Room 127	No	Branson Pump and Bag Filter									Sonic System 4
Contractor Supplied	Room 127	No	Branson Pump and Bag Filter									Sonic System 5
Contractor Supplied	Room 127	No	Mechanical Timer									Sonic System 1
Contractor Supplied	Room 127	No	Mechanical Timer									Sonic System 2
Contractor Supplied	Room 127	No	Mechanical Timer									Sonic System 3

Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
Contractor Supplied	Room 127	No	Mechanical Timer									Sonic System 4
Contractor Supplied	Room 127	No	Mechanical Timer									Sonic System 5
Contractor Supplied	Room 127	No	Work Stations for Base		2438 mm 96 in	686 mm 27 in	864 mm 34 in					Sonic System 3
Contractor Supplied	Room 127	No	Work Stations for Base		2438 mm 96 in	686 mm 27 in	864 mm 34 in					Sonic System 4
Contractor Supplied	Room 127	No	Work Stations for Base		2438 mm 96 in	686 mm 27 in	864 mm 34 in					Sonic System 5
	Room 130		**[Binder Tab 10]**									
Existing Room 141	Room 130	Yes	Bluing System	845BFBF2.jpg	3658 mm 144 in	1524 mm 60 in	2438 mm 96 in		115v	Yes		
Existing Room 140	Room 130	Yes	Bluing System Tank	4A4DB0D0.jpg	1041 mm 41 in	991 mm 39 in	635 mm 25 in			Yes		
Existing Room 140	Room 130	Yes	Bluing System Tank	566DDF5E.jpg	1080 mm 42.5 in	432 mm 17 in	635 mm 25 in					
Existing Room 140	Room 130	Yes	Bluing System Control Panel	Bueing Control Panel.jpg	610 mm 24 in	305 mm 12 in	1829 mm 72 in		115V			
Existing Room 141	Room 130	Yes	Phosphate Tank	Container.jpg	1067 mm 42 in	1067 mm 42 in	914 mm 40 in		N/A			
Existing Room 141	Room 130	Yes	Rena Tank	x3 Container_1.jpg	1067 mm 42 in	610 mm 24 in	607 mm 36 in		N/A			
Existing Room 141	Room 130	Yes	Collection Tank	Sq Container.jpg	1219 mm 50 in	1219 mm 48 in	1067 mm 42 in		N/A			
Existing Room 141	Room 130	Yes	Waste Tanks **(x3)**	32B3C47A.jpg	607 mm 36 in	1067 mm 42 in	1219 mm 48 in		N/A			
Existing Room 141	Room 130	Yes	Big Waste Tank	Big Waste Container.jpg	1219 mm 50 in	1219 mm 48 in	1829 mm 72 in		N/A			

Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
Existing Room 141	Room 130	Yes	Square Tank: x2 Dimension Combined	Container 4.jpg	1219 mm 48 in	1219 mm 48 in	762 mm 30 in		N/A			
Existing Room 141	Room 130	Yes	J-PRESS 470W100	6F8D196D.jpg	1600 mm 63 in	711 mm 28 in	1143 mm 45 in			N0		
	Rom 137		**[Binder Tab 11]**									
Existing Room 141	Room 137	Yes	RTHC 28P	RTHC 28P.jpg	880 mm 35 in	1100 mm 43 in	2040 mm 80 in		208-230 V			
Existing Room 141	Room 137	Yes	Humidity Chamber VWR 9010L	VWR 9010L image.jpg	1080 mm 43 in	889 mm 35 in	2159 mm 85 in	460 lbs	120 V			
Existing Room 140	Room 137	Yes	OQA Work Bench	OQA Work Bench.jpg	2756 mm 108.5 in	762 mm 30 in	1803 mm 71 in		N/A			
Existing Room 140	Room 137	Yes	OQA Cabinet 1	OQA Cabinet 1.jpg	1524 mm 60 in	686 mm 27 in	1219 mm 48 in		N/A	No		
Existing Room 140	Room 137	Yes	OQA Cabinet 2	OQA Cabinet2.jpg	1524 mm 60 in	686 mm 27 in	1219 mm 48 in		N/A	No		
Existing Room 140	Room 137	Yes	OQA Cabinet 3	OQA Cabinet 3.jpg	838 mm 33 in	686 mm 27 in	1168 mm 46 in		N/A	No		
Existing Room 140	Room 137	Yes	Despatch Oven	Despatch.jpg	580 mm 23 in	480 mm 19 in	750 mm 29.5 in	110 lbs	120 V	No		
Existing Room 140	Room 137	Yes	PPI OH-101	 PPI_Oh-101.jpg	432 mm 17 in	483 mm 19 in	4812 mm 19 in		120 V	No		
	Room 139A		**[Binder Tab 12]**									
Owner Supplied	Room 139A	No	Navien N P-240A	 2392FEBC.jpg	432 mm 17 in	381 mm 15 in	2711 mm 28 in	86 lbs	120V	No		
Owner Supplied	Room 139A	No	AXIOM MF200 Mini System Feeder	C9A1CEC2.jpg	300 mm 12 in	300 mm 12 in	400 mm 16 in	7 lbs	115/60/1 to 24 VDC	No	Clearances - Sides and Top - 12 in/305 mm	
Owner Supplied	Room 139A	No	EXTROL AX-15 Expansion Tank	B9C1E7A4.jpg	300 mm 12 in	300 mm 12 in	483 mm 19 in			No		

Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
Owner Supplied	Room 139A	No	Ballistic Gel Mixer	ED4901FE.jpg	921 mm 36.25 in	737 mm 29 in			120 V			
Owner Supplied	Room 139A	No	Stainless steel sink and counter top	 B550C978.jpg	1219 mm 48 in	533 mm 21 in	876 mm 34.50 in			No		Place next to Gel Mixer
Contractor Supplied	Room 139A	No	Heatcraft H-1M-CU Cooler	 6AF08CA6.jpg	2057 mm 81 in	2362 mm 93 in	2286 mm 90 in		220 V	No		
	Room 140		**[Binder Tab 13]**									
Equipment Layout	Existing Room 141		Equipment Layout									
Existing Room 140	Existing Room 140	Yes	Snail Systems	Snail System.jpg					120v and 220 V	No		
Existing Room 140	Existing Room 140	Yes	Snail Systems	Snail System_1.jpg					120v and 220 V	No		
Existing Room 140	Existing Room 140	Yes	Snail Systems	 Snail System_2.jpg					120v and 220 V	No		
Existing Room 140	Existing Room 140	Yes	Savage Range Systems	Savage Range Systems.jpg					120v and 220 V	No		
Existing Room 140	Existing Room 140	Yes	Savage Range Systems	Savage Range Systems_1.jpg					120v and 220 V	No		
	Room 141		**[Binder Tab 14]**									
Existing Room 140	Existing Room 141	Yes	SOCO MC-275F	SOCO_1.jpg	1000 mm 40 in	750 mm 30 in	1610 mm 63 in	396 lbs	220v	no		
Existing Room 141	Existing Room 141	Yes	TENNSMITH HBU48-12	TENNSMITH HBU48-12.jpg	1829 mm 72 in	915 mm 36 in	1346 mm 53 in	1330 lbs	N/A	No		
Existing Room 141	Existing Room 141	Yes	TENNSMITH T-52	TENNSMITH T-52.jpg	1550 mm 61 in	915 mm 36 in	1067 mm 42 in	1330 lbs	N/A	No		
Existing Room 141	Existing Room 141	Yes	DV Compressor System (power already hooked up)	DVMC247 compressor system.jpg	1860 mm 71 in	570 mm 22 in	1930 mm 80 in		Power already connected	Yes		
Existing Room 141	Existing Room 141	Yes	FAST-PAK Paint Booth (power already hooked up)	paint bay.jpg	1626 mm 64 in	1575 mm 62 in	2743 mm 108 in		575V,	Yes		

Current Room No.	Future Room No.	Existing =(Yes) Planned =(No)	Equipment Description	Images	Size (mm)			Approx. Weight	Power Requirement	HVAC Req	Space Requirements (around equipment)	Specialty / Comments
					Width	Depth	Height					
Existing Room 141	Existing Room 141	Yes	DIVERSI-TECH Downdraft DD3x4 (Power already hooked up)	Downdraft 3x4.jpg	1070 mm 42 in	1220 mm 48 in	910 mm 39 in	450 lbs	208-230/460/575v	N0		
Existing Room 140	Existing Room 141	Yes	STARTRITE / Horizontal Cut-off machine	STARTRITE.jpg	1300 mm 51 in	740 mm 29 in	1070 mm 42 in		230v	No		
Existing Room 141	Existing Room 141	Yes	EMPIRE Sandblaster	EMPIRE.jpg	914 mm 36 in	610 mm 24 in	1551mm 61 in	285 lbs	115v	No		
Existing Room 140	Existing Room 141	Yes	Lincoln 8809 Welder	Lincoln 8809 Welder.jpg	559 mm 22 in	737 mm 29 in	699 mm 27.5 in		208/230/460-1-60	N0		
Existing Room 141	Existing Room 141	Yes	TIG 175 Welder	TIG 175 welder.jpg	1000 mm 39 in	230 mm 9 in	1250 mm 49 in	185 lbs	230v	No		
Existing Room 140	Existing Room 141	Yes	JHBS- 916 Horizontal Band Saw	 JHBS-916.jpg	1626 mm 64 in	711 mm 28 in	1245 mm 49 in	704 lbs	115/230 V, Prewired 230 V	No	Floor Space Required: 65"x28"	
Existing Room 140	Existing Room 141	Yes	Work Bench	Bench.jpg	920 mm 36 in	620 mm 24 in	930 mm 37 in		N/A	No		
Existing Room 140	Existing Room 141	Yes	Work Bench with vice	Bench with vice.jpg	1530 mm 60 in	770 mm 30 in	1180 mm 47 in		N/A	No		
Existing Room 141	Existing Room 141	Yes	Yellow Cabinet	yellow cabinet.jpg	880 mm 20 in	457 mm 18 in	889 mm 35 in		N/A	No		
Existing Room 141	Existing Room 141	Yes	Oxygen/Acetylene tank cart	Oxygen tank banks.jpg	890 mm 35 in	650 mm 26 in	1440 mm 57 in		N/A	No		
Current Room No.	**Future Room No.**	**Existing =(Yes) Planned =(No)**	**Equipment Description**	**Images**	**Size (mm)**			**Approx. Weight**	**Power Requirement**	**HVAC Req**	**Space Requirements (around equipment)**	**Specialty / Comments**
					Width	**Depth**	**Height**					
	New Facity		**[Binder Tab 15]**									
Existing Room 130	New Facity	Yes	Wood Lab Casework									Move nine (9) existing Wood Lab Casework to new facilty
Contractor Supplied	New Facity	No	Wood Lab Casework									Three (3) Wood Lab Casework for new facility
Contractor Supplied	New Facity	No	Countertop									Replace two (2) laminated wood contertops for existing Wood Lab Casework

Sonic Clean up Room Equipment

Item Description

1. Three (3) – VBA-96-FRP-E Vanguard Fume Hoods

- Exterior Dimensions – width: 96", Depth 32 ¾ ", Height: 55"
- Balanced Air - White Fibreglass Reinforced Polyester Liner;
- 1-1/4" Thick Dished Black Epoxy Countertop;
- Vertical Sash, S/S Handle;
- TEL AFA 500 Airflow Alarm Monitor;
- SS316 Airfoil;
- Standard pre-wired electrical (120V, 15A Plugs, Switch and T8 FL Light);
- 1ea A23-48 Flammable Storage;
- 1ea A2-48 General Storage Cabinet; and
- No Mechanical Fixtures Included.

2. Three (3) – Branson series 8300 Ultrasonic Generator

3. *Five (5)* – Branson Transducerized Tanks:

- Part#: STD-478-693 CH4012-40·36S;
- Ultrasonic load impedance capacitance;
- RF voltage;
- Frequency compatible with S8340·36 generator;
- Working watts thermostatically controlled;
- Material construction 316 stainless steel;
- 230 V/ 1ph; and
- Hard chromed emitting face to extend tank life.

4. Three (3) – Branson Pump and Bag Filter

- Part # STD-246-975;
- Stand alone pump and big filter unit includes on/off switch, and
- Line cord and interconnecting hoses for CH-Tank.

5. Five (5) – Mechanical Timer

- Part # STD-410-901;
- 0-60 minute mechanical timer; and
- Includes one OEM I/O kit.

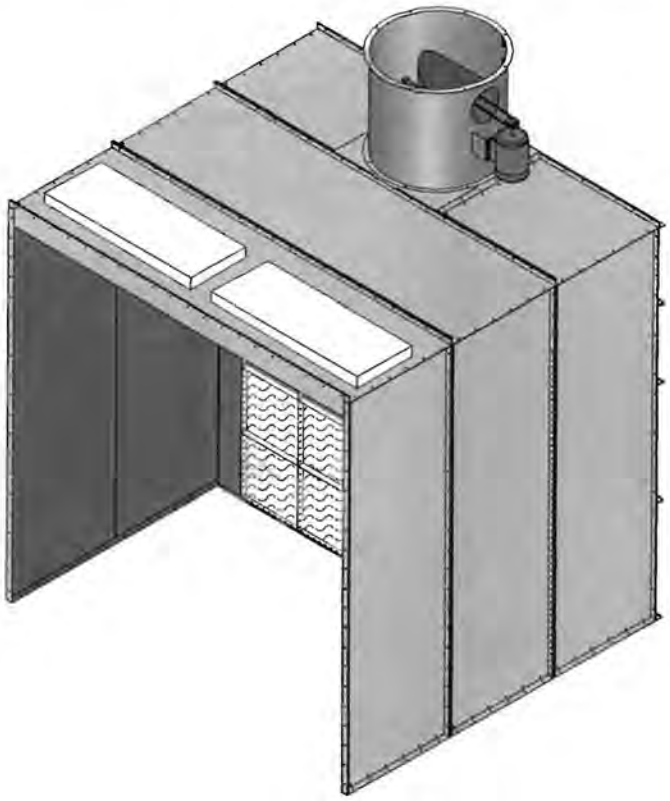
6. Three (3) – Work Stations for Base

- Each will be a combination of two work stations with a common leg;
- Overall dimensions of each will be 27" x 96" @ 34" high. Leg extensions allowing an extra 3" in height are included as well as levelling glides for all leg assemblies;
- Each (double) bench will consist of one bench 27" x 60" and one bench 27" x 36";
- Each will have a rear stringer and side panels on the outside leg only;
- Each bench will have two 12" deep stainless steel shelves below the work surface; and
- Each bench will have a set of sliding doors below the work surface.

7. General – Applies to all Sonic cleaners (New and Existing)

Sonic Clean up Room Equipment

- Compressed air outlet to terminate at each sonic cleaner with 6 feet of hoes and air nozzle gun.
- Sonic System requires onsite testing, balancing and commissioning.



Fast-Pak

Open Face Industrial Booths

Installation, Operation, and Maintenance Manual

Customer: ROYAL CANADIAN POLICE / ONTARIO SPR

Distributor: GLOBAL FINISHING SOLUTIONS-CANADA

Model #: IFPX-5

Serial #: 73031

P.O. #: 590 / OSB-471

Read and keep this manual for future reference.

All personnel operating the equipment described in this manual should review and understand all instructions before use.

12731 Norway Road • P.O. Box 250 • Osseo, Wisconsin 54758

Phone:(800)848-8738 • Fax: (715)597-2193

www.globalfinishing.com

Revision: 3-14-06

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Limited Warranty

GLOBAL (the Sellers) warrants to the original end-user buyer (the buyer) that the equipment manufactured by, and purchased from, the Seller (the Equipment), if properly installed in accordance with the Seller's Service Manual, operated, and maintained, and used under normal conditions, shall be free from defects in workmanship and materials for a period of one (1) year from the date the Equipment is shipped from the facilities of the Seller. The obligation of the Seller, and the Buyer's SOLE AND EXCLUSIVE REMEDY hereunder, shall be limited to one of the following, at the Seller's option:

(01) The repair or replacement of defective parts or components (collectively, the Parts) of the Equipment; provided, however, the Buyer shall be responsible for the payment of all labor costs associated with any such repair or replacement.

(02) In the event the Seller is unable to repair or replace the defective Parts, the Buyer shall be entitled to a refund of the cost of the Parts.

The Seller shall have no obligation under this Limited Warranty for ordinary wear and tear of the Equipment; if installation of the Equipment does not comply with local, state and federal requirements or laws; or if the Equipment is modified by any other person or organization. The Seller makes no warranty of any kind whatsoever with respect to Parts, which are manufactured or supplied by other persons or organizations (an OEM); provided, however, the Seller shall reasonably assist the Buyer in connection with warranties, if any, provided by an OEM.

Warranty Performance Procedures

In the event the Buyer believes the Seller may be responsible for the performance of any warranty obligation, the Buyer must immediately send written notice of a claimed defect, and must immediately refrain from any further use of the affected Equipment. No attempted repair of the claimed defect may be made without the prior written consent of the Seller. Before any Parts can be returned to the Seller, the Buyer must contact the Seller and request a Return Authorization. Upon the Buyer's receipt of the Return Authorization form, the Parts may be shipped, freight prepaid, to the facility designated on the Return Authorization. All Parts returned for repair, replacement, or refund (a refund may be made in the form of a credit to the Buyer's account), must be accompanied by the Return Authorization. All returned parts are subject to a thirty percent (30%) handling charge. Parts manufactured or supplied by an OEM are subject to the warranties, if any provided by such OEM's; and repair or replacement of such Parts are subject to the approval of the OEM. The Buyer shall be responsible for the payment of any handling or restocking charges associated with OEM Parts.

Disclaimers of Warranties

THE WARRANTIES CONTAINED HEREIN ARE EXPRESSLY IN LIEU OF ANY OTHER EXPRESSED OR IMPLIED WARRANTIES, OR ANY OTHER OBLIGATION ON THE PART OF THE SELLER, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY MODELS, DRAWINGS, PLANS, SPECIFICATIONS, AFFIRMATION OF FACT, PROMISES, OR OTHER COMMUNICATIONS BY THE SELLER WITH THE REFERENCE TO THE EQUIPMENT OR THE PERFORMANCE OF THE EQUIPMENT ARE SOLELY FOR THE CONVENIENCE OF THE BUYER AND SHALL NOT IN ANY WAY MODIFY THE EXPRESSED WARRANTIES AND DISCLAIMERS SET FORTH HEREIN. THE BUYER ACKNOWLEDGES IT IS PURCHASING THE EQUIPMENT SOLELY ON THE BASIS OF THE COMMITMENTS FOR THE SELLER AS EXPRESSLY SET FORTH HEREIN. NO AGENTS OR OTHER PARTIES ARE AUTHORIZED TO MAKE ANY WARRANTIES ON BEHALF OF THE COMPANY OR TO ASSUME FOR THE COMPANY ANY OTHER LIABILITY OR OBLIGATION IN CONNECTION WITH THE EQUIPMENT.

Consequential Damages

The Seller shall not be liable for any incidental or consequential damages arising from the use of the equipment by the Buyer, the breach of any warranties, the failure to deliver, delay in delivery, delay on nonconforming condition, or for any other breach of contract or duty between the Seller and the Buyer.

Limitation of Actions

Any action resulting from the breach of any warranty contained herein by the Seller must be commenced within one (1) year after the cause of action accrues. In no event shall the Seller's total liability for any or all breaches of any warranty exceed the actual purchase price paid by the Buyer for the Equipment.

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General Information

IMPORTANT!
Read and save these instructions before attempting to assemble, install, operate, or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. Retain these instructions for future reference.

How to Use This Manual

This manual contains instructions for the safe installation, operation, and maintenance of your paint spray booth. Please read the Safety Information section of this manual before you unpack and assemble the booth.

Introduction

A Message for the Purchaser

The management and employees at Global would like to thank you for selecting our product for your industry. Our product conforms to Occupational Safety & Health Administration (OSHA) and National Fire Prevention Association (NFPA) regulations for your safety. The employees of Global understand the importance of a quality system and strive to manufacture the best product on the market.

Product Description

This paint spray booth provides a controlled area to safely apply spray paints when installed with the proper fan and electric motor. Spray booth construction and recommended airflow velocities are designed to meet appropriate OSHA and NFPA 33 regulations.

Unless otherwise specified, all booths are shipped complete with heavy-duty exhaust fans, a totally enclosed fan-cooled motor, man access door(s) (optional), product doors (optional), manometer, fluorescent light fixtures, intake filters (optional), and exhaust filters with grids, all necessary hardware, and assembly drawings.

IMPORTANT!
This equipment is designed expressly for the removal of particulate matter only. Reduction of volatile organic compounds (VOCs) requires either coating reformulation or optional, additional equipment.

Safety Information

IMPORTANT!
This manual contains statements relative to worker safety. Read this manual thoroughly and comply as directed. Operate this equipment in accordance with the guidelines set forth in this manual. It is impossible to list all potential hazards of this equipment. Instruct all personnel involved with this equipment in the safe conduct and operation of the system. Global recommends that only qualified personnel operate and maintain this equipment.

General Safety

Operation and maintenance of this product must be performed properly by qualified personnel who observe the warnings in all documentation and notes provided with and on the product.

Follow all general standards for installation and safety for work on installations. Follow all good practices for the proper use of lifting tackle and equipment. The use of protective equipment such as safety goggles and protective footwear must be considered.

If any pumps or compressors are included as part of this installation, they must be connected in compliance with data in the documentation provided.

Guards and covers that prevent contact with electrically energized or moving parts are required and must not be removed or left open during operation.

Sound pressure levels over 85 decibels may cause damage to your health. Where applicable, use earplugs or take other safety measures to protect yourself.

Safety Notes

- The product must be installed and serviced only by a trained, qualified service technician. Incorrect installation may void the warranty.
- All persons who will operate, service, inspect, or otherwise handle this product must read and understand the safe operating practices, safety precautions, and warning messages in this documentation.
- Disconnect and lock out the main electrical service before installing, adjusting, or servicing the product.
- Electrical installation should be completed by a qualified electrician. Installation must meet all applicable national, state, and local electrical codes.
- Ensure that all electrical components are grounded to a central ground.
- Become familiar with all controls.
- Safety signs, panels, and labels that are normally affixed to the product must be replaced immediately if illegible or missing.
- New or replacement parts that are installed during repair or maintenance must include all safety signs, panels, and labels as specified by the manufacturer. These must be affixed to the new or replacement parts as specified by the manufacturer.
- Some spray activities may require the use of respiratory protection.

IMPORTANT
Portable fire extinguishers need to be provided and located in accordance with NFPA 10.

Safety Precautions

- Install the booth in compliance with the standards of the NFPA.
- Comply with all local electrical, safety, and fire codes and regulations, the National Electrical Code (NEC), and OSHA guidelines.
- Turn the exhaust fan on before using the spray booth. Ensure that the exhaust fan is operating correctly before entering the booth.
- All field wiring provided must comply with local codes or, in the absence of local codes, the National Electrical Code (NFPA 70).
- All wiring conform to the latest NEC codes 500, 501, 502, 505, 516.
- Check local codes to see if a booth interlock is required. A booth interlock will prevent the spray devices from operating unless the booth fan is operating.
- Local fire and building codes may require fire protection. Check with local inspector authorities for requirements.
- A fire suppression system (sprinklers or dry chemical) is required by the NFPA. A fire suppression system is not supplied with this booth.
- The use of a solenoid valve is required by the NFPA. Solenoid valves are not supplied with this booth except by optional purchase.
- Use an OSHA-approved paint spray respirator when spraying in the booth.
- Do not operate the spray booth when the manometer indicates the filter pad needs to be replaced.
- Treat used arrestor filter pads and any other paint-contaminated items as flammable products and dispose of them properly and safely.
- Duct the exhaust air from the fan away from the working environment to the outdoors. (Do not operate the paint booth unless exhaust has been ducted properly.)
- Isolate the outdoor vent from air-conditioning intakes, windows, and any other equipment that may re-circulate the exhaust indoors.
- Do not overfill the manometer, allowing fluid to collect in the flexible plastic connecting loop in the back of the manometer. This could cause a serious reading error. If the manometer is subject to overflow, make sure that the fluid has not passed into the plastic connecting loop.

SAFETY HAZARD!

There are inherent hazards associated with the operation and service of this equipment. For your personal safety, observe all of the safety information. Failure to observe these safety practices can result in personal injury or death.

Canadian Standard (CR90-003)

General Safety Information

1. The location of spray booths for finishing operations, shall comply with the provincial/ territorial building code recognized by the authority having jurisdiction or, in the absence of such code, then in compliance with the current National Building Code of Canada.

   L'emplacement des cabines de peinture utilisée pour la pulvérisation doit être en accordance avec le Code du bâtiment local, ou dans le cas d'absence d'un tel code l'emplacement doit être en accordance avec le Code National du Canada.

2. The required exhaust duct(s) for a spray booth shall complywith the provincial/territorial building code recognized by the authority having jurisdiction or, in the absence of such code, then in compliance with the current Fire Code of Canada.

   Le conduit exigé d'échappement (les conduits) pour une cabine de pulvérisation fera complywith le code de bâtiment provincial/territorial reconnu par l'autorité ayant la juridiction ou, en l'absence de tel code, alors en conformité avec le Code de Feu actuel de Canada.

3. A separate exhaust duct shall be provided for each spray booth, except that a common duct may be used if it serves spray booths having a combined open frontal area of not more than 1.7m2.

   Chaque cabine de peinture doit avoir son propre canal du ventilateur d'extraction, une exception existe seulement quand un canal est utilisé pour des cabines qui ont une surface ouverte devancée qui n'excéde pas 1.8m2.

4. Mechanical Ventilation shall be provided in all spraying areas with sufficient air movement to prevent dangerous flammable vapor or powder concentrations.

   La ventilation méchanique doit être adéquate proche des zones de pulvérisation pour empêcher des résidus de peinture facilement inflammable de s'ébaucher.

5. Filters in ducts used to ventilate spray areas shall be made from noncombustible material or have a rate of combustibility no greater than Class II filters conforms to CAN4-S111, The Standard Method of Fire Tests for Air Filter Units.

   Les filtres dans les canals de ventilation des zones de pulvérization seront de matériaux non-combustibles ou doivent avoir un taux de combustibilité qui n'excéde pas les filtres Class II et qui conforment au CAN4-S111, The Standard Method of Fire Tests for Air Filter Units.

6. Fuel piping, components, and accessories external to the spray booths shall comply with the provincial/ territorial installation code recognized by the authority having jurisdiction for the fuel being supplied or, in the absence of such a code, then in compliance with CAN/CGA-B149.1 "Natural Gas Installation Code" or CAN/CGA-B149.2 "Propane Installation Code", as applicable.

   Toutes sources de gaz, accessoires, etc, situés à l'extérieur de la cabine doivent être en accordance avec le Code du bâtiment local, en cas qu' un code local n'éxiste pas l'emplacement doit être en accordance avec CAN/CGA-B149.1 "Natural Gas Installation Code" or CAN/CGA-B149.2 "Propane Installation Code", as applicable.

7. Space-heating appliances, steam pipes, and other hot surfaces shall not be located in an area where deposits of combustible residue may accumulate.

   Les radiateurs indépendents, conduits de vapeur, et toutes autres sources de chaleur ne seront pas en proximités des résidus de peinture inflammable.

8. Open flames or spark producing devices shall not be used in a spraying area.

   Ouvrir des flammes ou l'étincelle produisant des appareils ne seront pas utilisés dans un secteur vaporisant.

9. Where wiring or electrical equipment is located in areas in which flammable gases or vapors, combustible or electrically conductive dusts or combustible fibers are present in quantities sufficient to create a hazard, such wiring and electrical equipment shall comply with CSA C22.1- Canadian Electrical Code, Part I sections 18 & 20.

   Dans les endroits où l'équipement électrique, ou les fils électriques sont situés proche des résidus de peinture, des vapeurs de peinture, etc., facilement inflammable dans des quantitées suffisantes pour créer un hazard, les fils et l'équipement doivent être en accordance avec CSA C22.1- Canadian Electrical Code, Part I sections 18 & 20.

10. All electrical equipment within the spraying area, including lighting fixtures, shall conform to sub clause 1.13.6.2 unless separated from the spraying area by vapor-tight separations with no openings.

    Tout équipement électrique et toute forme d'éclairage à l'intérieur de la zone de pulvérisation doivent être en accordance avec l'article 1.13.6.2. Une exception existe seulement si la zone de pulvérisation est séparé par une pare-vapeur.

11. Electrical wiring, components and accessories external to the spray booth shall comply with the provincial/ territorial building code recognized by the authority having jurisdiction or, in the absence of such code, then in compliance with the current Canadian Electrical Code.

    L'installation éléctrique électrique, components et les accessoires externes à la cabine de pulvérisation se conformeront au provincial/le code de bâtiment territorial reconnu par l'autorité ayant la juridiction ou, en l'absence de tel code, alors en conformité avec le Code Electrique, canadien et actuel.

Flammable and Combustible Liquids/ Liquides inflammables et Combustibles

1. Where flammable liquids are supplied to spray nozzles by a positive displacement pump, the pump discharge line shall be provided with a suitable relief valve either discharging to the pump suction or to a safe remote location.

   Où les liquides inflammables sont fournis pour vaporiser des jets par une pompe de déplacement positive, la ligne de décharge de pompe sera fournie avec une soupape de soulagement convenable ou déchargeant à la succion de pompe ou à un emplacement éloigné sûr.

2. Where flammable or combustible liquid finishes are being applied in a spray booth, combustible residue shall be removed from the spraying area and put in receptacles which comply with the provincial/Territorial Fire Code recognized by the authority having jurisdiction or, in the absence of such a Code, then in receptacles which comply with the National Fire Code of Canada.

   Où les fins inflammables ou combustibles liquides sont appliquées dans une cabine de pulvérisation, le résidu combustible sera enlevé du secteur vaporisant et a mis dans les prises qui conforme au Code de Feu provincial/territorial reconnu par l'autorité ayant la juridiction ou, en l'absence d'un tel Code, alors dans les prises qui conforment au Code de Feu National de Canada.

3. Flammable and combustible liquids for use in spraying areas shall be stored and handled in accordance with the Provincial/territorial Fire Code recognized by the authority having jurisdiction or, in the absence of such a Code, then in accordance with the National Fire Code of Canada.

   Note: At no time shall the amount of flammable and combustible liquids in the spraying area exceed 1 day's supply.

   Liquides inflammables et combustibles pour l'usage dans vaporiser de secteurs seront emmagasinés et seront contrôlés conformément au Code de Feu Provincial/Territorial reconnu par l'autorité ayant la juridiction ou, en l'absence d'un tel Code, alors conformément au Code de Feu National de Canada.

   La note : jamais fera la quantité de liquides inflammables et combustibles dans le secteur vaporisant dépasse 1 provision du jour.

4. Filers shall not be used when applying spray material that is highly susceptible to spontaneous heating.

   Filers ne sera pas utilisé en appliquant le matériel de pulvérisation qui est extrêmement susceptible au chauffage spontané.

Paint, Thinners and Solvents/ La peinture, Thinners et les Dissolvants

1. Paint shall be kept in closed containers when not in use.

   La peinture sera gardée dans les récipients fermés quand pas dans l'usage.

2. Thinners and solvents shall be dispensed only from containers that comply with the provincial/ territorial fire code recognized by the authority having jurisdiction or, in the absence of such a code, then in compliance with National Fire Code of Canada.

   Thinners et les dissolvants seront seulement dispensés des récipients qui se conforment au code de feu provincial/territorial reconnu par l'autorité ayant la juridiction ou, en l'absence d'un tel code, alors en conformité avec le Code de Feu National de Canada.

Fire Protection Equipment/ Vider l'Equipement de Protection

1. Portable fire extinguishers shall be installed near all spraying areas in compliance with the provincial/territorial fire code recognized by the authority having jurisdiction or, in the absence of such a code, then in compliance with National Fire Code of Canada.

   Les extincteurs d'incendie portatifs seront installés près de tous secteurs vaporisant en conformité avec le code de feu provincial/territorial reconnu par l'autorité ayant la juridiction ou, en l'absence d'un tel code, alors en conformité avec le Code de Feu National de Canada.

2. Where a Spray room is used, automatic sprinkler protection shall be proved throughout the spray room in compliance with the Provincial/territorial building code recognized by the authority having jurisdiction or, in the absence of such a code, then in compliance with the National Building Code of Canada.

   Où une pièce de Pulvérisation est utilisée, la protection d'arroseur automatique sera prouvée à travers la pièce de pulvérisation en conformité avec le code de bâtiment Provincial/Territorial reconnu par l'autorité ayant la juridiction ou, en l'absence d'un tel code, alors en conformité avec le Code de Bâtiment National de Canada

Maintenance Instructions

1. Sprinkler head protectors shall be replaced before they have accumulated excessive deposits.

   Les protecteurs de tête d'arroseur seront remplacés avant qu'ils ont aient accumulé des dépôts excessifs.

2. All discarded filter pads and filter rolls shall be removed to a safe location or placed in a water-filled metal container and disposed of after each day's operation.

   Tout filtre rejeté rembourre et filtre des rouleaux sera enlevé à un emplacement sûr ou placé dans un récipient en métal eau-rempli et a liquidé après chaque opération du jour.

3. Ovens and associated ductwork shall be inspected, cleaned, and maintained internally and externally at sufficient intervals to prevent the accumulation of combustible deposits.

   Les fours et ductwork associé seront inspectés, sera nettoyé et sera maintenu intérieurement et en apparence aux intervalles suffisants pour empêcher l'accumulation de dépôts combustibles.

Pre-Assembly

IMPORTANT!
Before assembly, determine whether you need a top exhaust or rear exhaust. The assembly steps are for top exhaust installation. If you need a rear exhaust, simply interchange the center back panel with the top panel.

Before Installation

Since the spray booth is to be assembled on the site of the actual installation, the following precautions must be taken before assembly:

- There must be sufficient overhead clearance for the exhaust unit and exhaust piping in the area where the booth is to be located.
- The floor where you assemble the booth must be level. If not, you must use shims to avoid any misalignment.
- The area must be large enough to allow a minimum of 3 ft [914mm]. of space around the booth. Some exceptions may apply. Check local codes and refer to NFPA guidelines to determine particular space allowances.
- The front of the booth must be sufficiently open to allow for proper circulation of air through the booth.

Unpacking

Use the following guidelines to unpack your crates and to make sure all the booth parts have arrived and are intact:

- Remove the light fixture and manometer from the packing crates and temporarily set them aside.
- Remove the panels and angle braces from the packing crates. Sort them by size.
- Check for any damage that may have been caused in shipping. (Slightly bent panels and braces can be straightened and will cause no performance or assembly problems.)
- Compare all parts with the included parts sheet for shortages or losses in transit.

During Assembly

While assembling the booth, keep the following in mind:

- Follow the assembly steps in proper sequence and double-check the procedure before continuing.
- The inside of the booth must be smooth–all panel flanges must be on the outside of the booth.
- Use only enough bolts to hold each panel in position. Do not tighten them completely. After each section is set up, place the remainder of the bolts in position and completely tighten all the bolts.
- At corners where an assembly angle is used, place the nuts on the inside of the panel flanges.
- Plumb the panels so that they are perpendicular to the floor. The sides of the booth must be parallel to each other.

Assembly Instructions

Tools required: Screwdriver, wrenches, socket set, hammer, drift pin, caulking gun, and drill with 1/8", 3/8", and 1/2" bits.

IMPORTANT!

Do not attempt to assemble the booth until you have read these instructions carefully. Study all drawings thoroughly. Each component is shown by part number on the assembly drawings. This will help you determine where to install the various components.

NOTE

Follow the assembly steps in order and refer to the assembly drawings. Double-check the procedure before you continue. If it has not already been done, sort all the panels and channels by size and number before assembly.

STEP 1: **Panel Assembly**

1. Assemble the back wall. For all assembly, use the 5/16" bolts provided.
   - Bolt the corner angles to the side panels.
   - Attach the assembled side panels to the back wall. *Use only enough bolts to hold each panel in position. Do not tighten them completely.*
   - After each section is set up, place the remainder of the bolts in position and completely tighten all the bolts. *Refer to Figure 1.*
2. Attach the floor channel and the two filter rack sides to the filter racks. Attach the filter rack assembly to the filter chamber wall assembly. *Refer to Figure 2.*
3. Bolt two of the side panels together.
   - Attach a corner angle to the top and another corner angle to the bottom of the side panel assembly. Do the same for the remaining side panels.
   - Attach both side panel assemblies to the filter chamber. *Refer to Figure 3.*

Figure 1
Back Wall Assembly

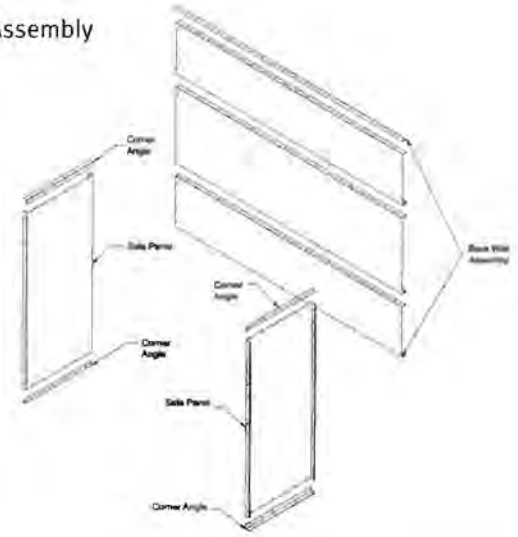


Figure 2
Filter Rack Assembly

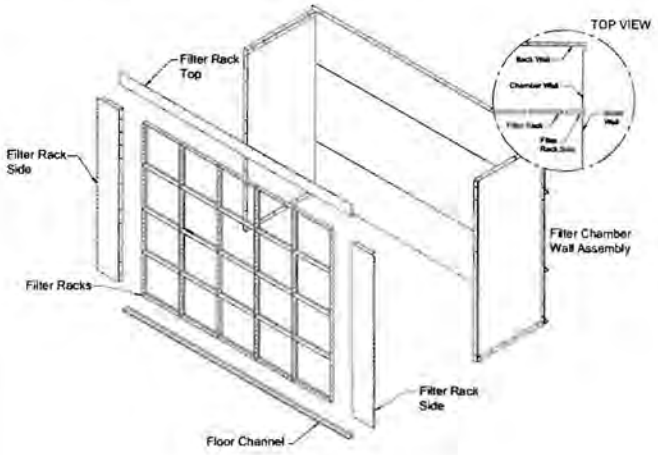
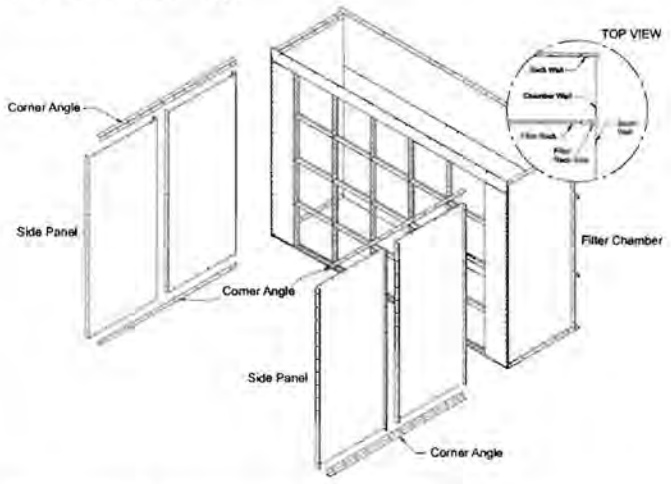


Figure 3
Side Panel Assembly



Please note all drawings in the Assembly Instructions section are for example purposes. Drawings are not in exact proportion.

4. Attach the chamber ceiling panel(s) to the filter chamber followed by the booth ceiling panels. Attach the fire curtain to the front, booth ceiling panel. *Refer to Figure 4.*
5. Caulk all connecting joints and interior seams to ensure a dust-tight seal.
6. Square and anchor the booth. Global recommends using concrete anchors. Space them approximately every two ft. around the perimeter of the booth or as needed to anchor the booth securely.

STEP 2: Filter Assembly

1. Remove the grid from the carton.
2. Push the rubber tips onto the ends of the filter grid. The rubber tips are adjustable for a friction-fit into the filter opening.
3. Place the grid into the openings in the exhaust chamber filter racks. Place the filters so that the dense side faces the air-leaving side.
4. Complete the filter assembly. *Refer to Figure 5.*

STEP 3: Lighting

1. Install the cage nuts into the light fixture box. *Refer to the instructions shown in Figure 6.*
2. Next, from the inside of the booth, install the lighting fixture box *Refer to Steps 1 - 4 in Figure 7*:
   a. Tilt the lighting fixture box into the opening of the light panel.
   b. Straighten the lighting fixture box then tilt inward so that the two flanges (A) on the top of the fixture are on either side of the light panel.
   c. Slide down the lighting fixture box so that the two bottom flanges (B) are on either side of the light panel.

NOTE
If the light fixture is accessible from outside the booth, you may skip steps 2a. and 2b.

3. Attach the light cover using eight (6mm x 20mm) cap head screws. These are located under the ballast cover *Refer to Figure 6.*

Figure 4
Ceiling Panel Assembly

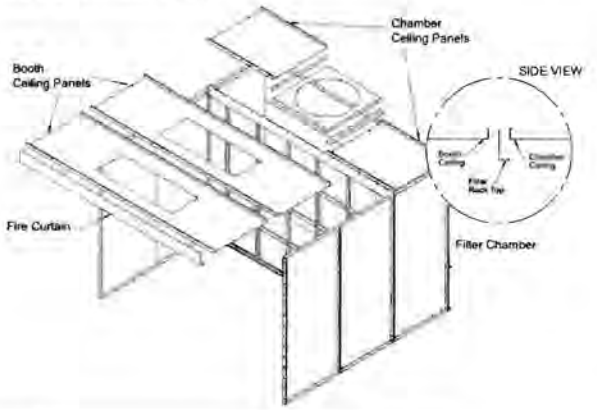


Figure 5
Filter Assembly

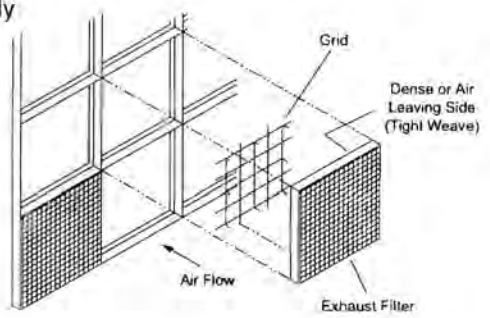


Figure 6
Lighting Assembly

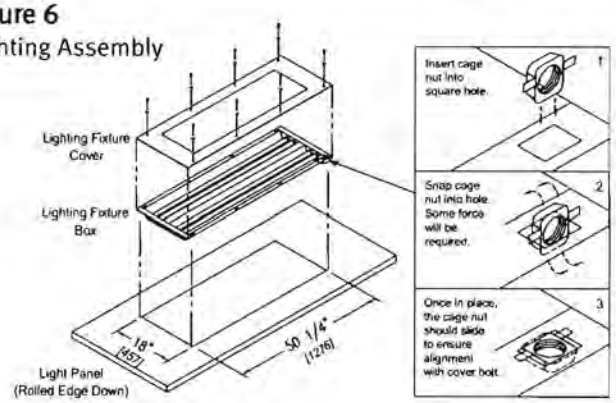
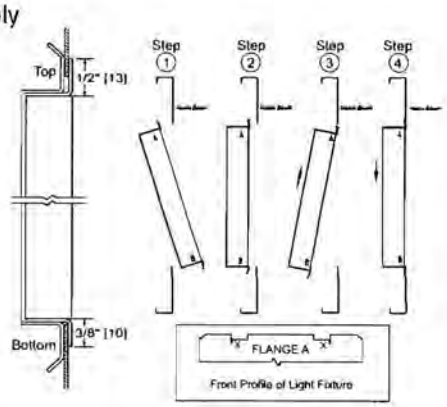

Lighting Fixture Cover
Lighting Fixture Box
Light Panel (Rolled Edge Down)
18" [457]
50 1/4" [1276]
Insert cage nut into square hole.
Snap cage nut into hole. Some force will be required.
Once in place, the cage nut should slide to ensure alignment with cover bolt.

Figure 7
Lighting Assembly



STEP 4: **Exhaust Fan Assembly**

Attach the exhaust fan to the roof of the filter chamber. *Refer to Figure 8.*

NOTE
The direction of the fan blade rotation and the direction of the airflow is indicated on the outside of the exhaust fan housing.

STEP 5: **Manometer Assembly**

1. Mount the manometer outside of the booth at a convenient location approximately 5 ft. [1524mm] from the floor.
2. Drill holes for tubing. Run the supplied tubing from the manometer to the filter bank. Run tubing from the low pressure side of the manometer to the chamber side of the filters. Run tubing from the high pressure side of the manometer to the booth side of the filters. *Refer to Figure 9.*

STEP 6: **Roll Media Hanger Assembly (Optional)**

1. Remove the grid from the carton.
2. Push the rubber tips onto the ends of the filter grid. The rubber tips are adjustable for a friction-fit into the filter opening.
3. Place the grids into the openings of the filter racks.
4. Install the J-Strip and Hanger to the panel above the filter racks, at least 1 to 2 inches [25mm to 51mm] above the filter rack.
5. Tuck roll media up into J-Strip and pull it down onto Hanger.
6. Roll media and booths each vary in width. Cut or overlap roll media as needed to cover filter wall. *Refer to Figure 10.*

NOTE
Roll filter media is not included. Various types are available for different designs for specified applications.

Figure 8
Exhaust Fan Assembly

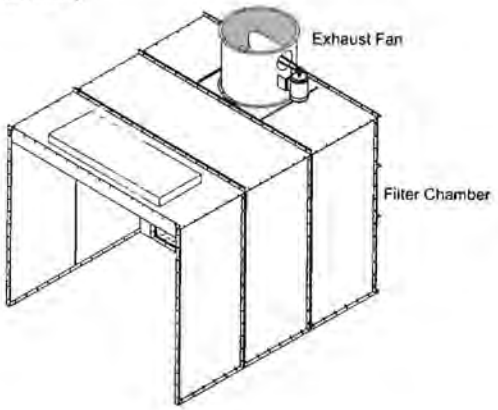


Figure 9
Manometer Assembly

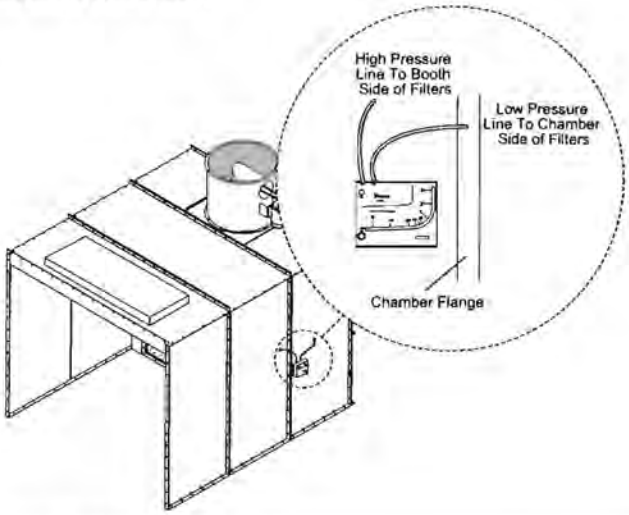
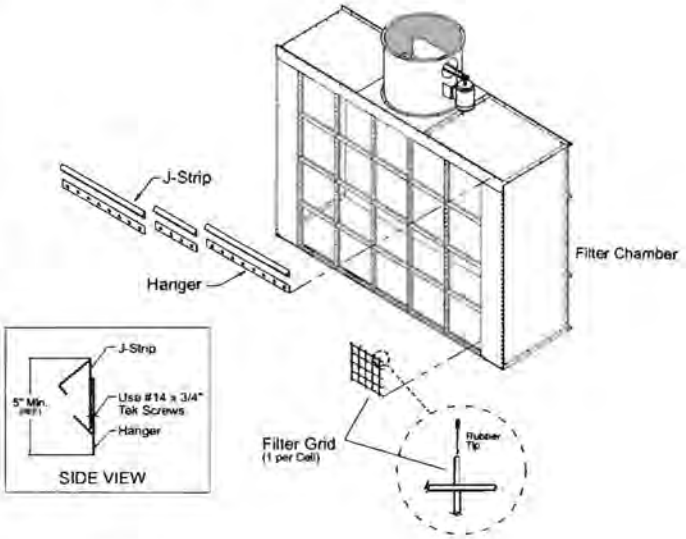


Figure 10
Roll Media Hanger Assembly



STEP 7: Safety/Warning Labels

1. Warning labels that are normally affixed to the booth/product must be replaced immediately if illegible or missing.
2. New or replacement parts that are installed during repair or maintenance must include all safety signs, panels, and warning labels as specified by the manufacturer. These must be affixed to the new or replacement parts as specified by the manufacturer.
3. Attach all safety signs and warning labels as specified. *Refer to Figure 11.*

STEP 8: Work Depth Extension Kits (Optional)

Optional Work Depth Extension Kits expand the size of your spray booth. *Refer to Figure 12.*

The extension kit includes 18-gauge galvanized panels with 2-inch [51mm] flange and holes on 6-inch [152mm] centers with all hardware, including nuts, bolts, and tie angles.

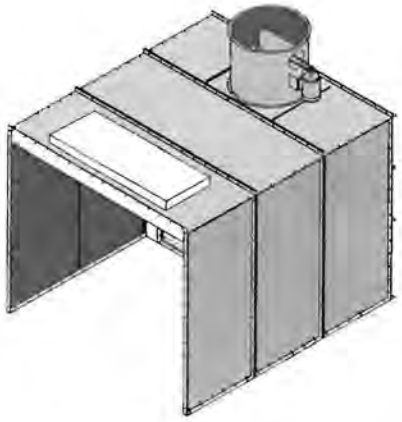
The light fixture kit includes 48-inch [1219mm] (4 lamp) ETL listed fluorescent inside access light fixture(s). Although not standard, a UL listed light is available upon customer request.

IMPORTANT!
All paint spray booths must be exhausted to the outside in accordance with local codes and NFPA regulation 33.

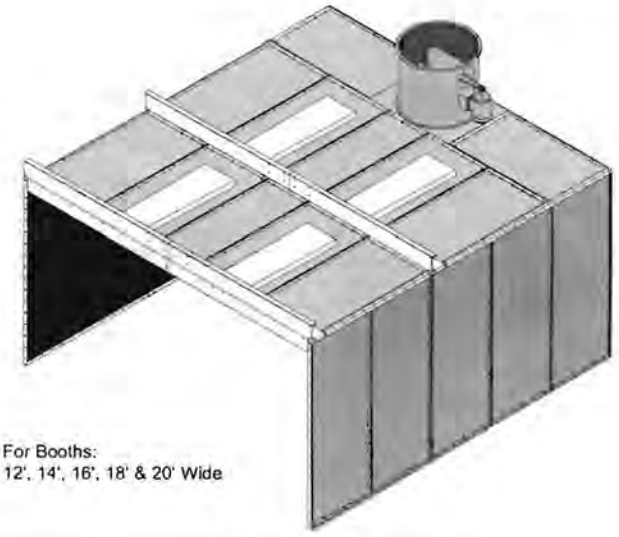
Figure 11
Safety/Warning Labels

Label Part #	Type of Label		Location on Booth
254-0011	GFS Sticker		Side Panel or by Personnel Door
254-005	GFS ID Plate		Fire Curtain
254-018 (Not on label)	OSHA & NFPA 33		Fire Curtain
254-080	**WARNING** No Welding		Front or Most Visible Location
LA-2066	**WARNING** Explosion Hazard, No Smoking/Open Flame, Personal Injury, etc.		Exhaust Chamber
LA-2077	**DANGER** Electrick Shock Keep Hand Clear		Exhaust Fan
LA-218	**Operation & Maintenance**		Side Panel or by Personnel Door
LA-219	**Filter Specification**		Side Panel or Exhaust Chamber
All labels can be replaced using Part #: INS-GFS			

Figure 12
Extension Kit



For Booths:
6', 8' & 10' Wide



For Booths:
12', 14', 16', 18' & 20' Wide

STEP 9: **Standard Control Panel/Control Package (Optional)**

Some booths may require custom panels or multiple control packages based on their fan configurations and number of motors.

Control Panels	*Control Packages*
UL 508 & CUL Listed. Standard panels for a maximum of 6 (4 tube light fixtures). Each NEMA-1 Panel Enclosure includes the following:	Control packages allow you to order one number and receive all the individual components for the necessary electrical controls for a specific booth model. Each kit includes the following:
■ Panel mounted disconnect	■ Fused disconnect with fuses
■ Magnetic motor starter with overloads	■ Magnetic motor starter with overload heater and 120V control coil
■ Fused branch circuits	■ Air solenoid for safety interlock (120V)
■ Panel mounted controls	■ Light switch (120V or 277V)
■ Lighting transformer based on panel	■ Push button motor starter

Mount the control panel at a convenient location on either the exterior paint booth wall or the adjacent wall outside of any hazardous areas. DO NOT mount the panel inside the booth enclosure. The electric motor for the exhaust fan requires wiring to the main control panel.

This control panel houses a main disconnect switch, control/lighting transformer (where required), motor starter(s) with fuse and overload protection (per NEC requirements), push buttons, selector switches, and operating pilot lights.

All standard units are factory wired for 480 volt 3-phase 60 hertz unless otherwise requested at the time of purchase.

IMPORTANT!
Install the optional standard control panel following NFPA 33 and NFPA 70 guidelines. Ensure that the installation also complies with all local codes.

Operating Instructions

1. Turn the power on at the main breaker/ disconnect. (This is a black handle on the face of the control panel.)
2. Turn the **lights off/on** switch to the **on** position.
3. Momentarily press **system start** to enter the booth start-up sequence and operation. After pressing the **system start** button, the **system energized** light will come on. Then the **exhaust unit on** light will come on.
4. Momentarily press the **system stop** button to shut down the booth any time the system is energized.
5. Turn the exhaust fan on before using the spray booth. Ensure that the exhaust fan is operating correctly before you enter the booth.

Maintenance Instructions

The frequency of many of the following maintenance checks depends upon the amount and kind of material being sprayed. Performing these maintenance checks at regular intervals will reduce fire hazards, maintain booth efficiency, prevent freshly painted objects from becoming blemished, and hinder any possible booth rust.

Exhaust Fan and Motor

Belt Tension

Check the belt tension on the exhaust fan and motor regularly. Bearings in the exhaust fan and motor may wear unnecessarily when the belts are too tight.

Overspray

Do not allow overspray to accumulate on the exhaust fan blade. When overspray accumulates, remove it as soon as possible to keep the blade in balance. Remove the blade and clean it when necessary. Do not hammer or step on the blade because it is easily damaged.

Bearings

Some exhaust fan units are equipped with sealed-for-life bearings that require no grease. Consult the included operation and maintenance manual for details.

Manometer

- Check the fluid level in the manometer periodically and adjust as needed. Clean the manometer with a soft, damp cloth.
- Regularly check the manometer to determine if the filter panels need to be replaced. Do not operate the paint booth when the manometer indicates that it is time to replace the filter panels.

Exhaust Filters

Filter Replacement

Replace the exhaust filter when the accumulation of paint overspray hinders the airflow of the booth. The manometer will indicate that it is time to replace the filters. Check the filter manufacturer's recommendations for the filter's final resistance rating.

SAFETY HAZARD!

Improper disposal of used arrestor filter pads may cause spontaneous combustion. You must consult local authorities for proper storage and disposal requirements. The following are some safety guidelines:

- *Immediately remove all arrestor filter pads from the booth.*
- *Discard arrestor filter pads to a safe, well-detached location, or place them in a water-filled metal container to prevent a possible fire hazard.*
- *Disposal varies depending on the type of paint that is being captured. Consult local authorities for storage and disposal requirements.*

Lighting

To replace a burned-out light tube,

1. Open the light fixture's access panel and remove the burned-out tube. A heavy-duty, pressure lock telescopic lamp holder holds the tube in place.
2. Push one end of the new tube into one of the two spring-loaded holders.
3. Slide the other end into the other holder. To aid in clean up, use a clear plastic film or a clear peel coat over the light glass. Consult the factory for details.

Ductwork

Do not allow overspray to accumulate on the inside of the duct walls. When overspray accumulates, remove is as soon as possible to prevent a possible fire hazard.

Interior Booth Walls

Do not allow overspray to accumulate on the inside of the paint booth walls. When overspray accumulates, remove it as soon as possible to prevent a possible fire hazard. Use a non-ferrous, non-sparking scraper to eliminate any possibilities of igniting combustible material. To aid in booth clean up, use a pre-coating, clear peel coat, or flame resistant paper. Consult the factory for details.

SAFETY HAZARD!

Do not leave piles of paint sweepings in the booth as it creates a possible fire hazard.

Maintenance Schedule

Items to be Inspected and/or Cleaned	Frequency				
BOOTH MAINTENANCE	Daily	Weekly	Monthly	6 Months	Yearly
Filter Maintenance					
Check manometer to determine exhaust filter cleanliness (0.3" above clean)	X				
Check the optional intake filter for cleanliness (visual)		X			
Booth Cleanliness					
Floors (remove tar paper when worn or dirty)	X				
Walls (remove overspray buildup or paint)	X				
Lifts (check for paint buildup on lift; check lift operation)	X				
Ceiling (remove overspray buildup or paint)	X				
Doors (remove overspray; check door operation)	X				
All surfaces that would accumulate buildup (clean)	X				
Manometer (check the oil level)	X				
Light tubes (replace burned-out tubes)		X			
Exhaust and intake ductwork			X		
Exhaust plenum			X		
Intake plenum			X		
Exhaust filters (clear of obstructions)	X				
Control panel filter and housing (clean)			X		
Exhaust Fan Maintenance and Inspection					
Inspect and lubricate bearings*			X		
Check the belt tension			X		
Inspect the belt			X		
Replace the belt (if needed)			X		
Check pulley alignment			X		
Check fasteners, set screws, and lock collars			X		
Lubricate the motor				X	
Remove dust and dirt from the motor				X	
Inspect the fan blades			X		
Clean the fan blades				X	
Air Make-Up Maintenance and Inspection					
Inspect and service the burner					X
Inspect and lubricate the bearings*			X		
Check the belt tension			X		
Inspect the belt			X		
Replace the belt (if needed)			X		
Check pulley alignment			X		
Check fasteners, set screws, and lock collars			X		
Inspect and clean the AMU filter			X		
Lubricate the motor				X	
Remove dust and dirt from the motor				X	
Inspect the blower			X		
Clean the blower				X	
Check the gas and electrical controls for cleanliness			X		

* Use any standard bearing grease lubricant on the grease fittings where applicable.

Troubleshooting Guide

Use this decision table to troubleshoot products that are not operating properly.

Symptom	Probable Cause	Remedy
There is not enough airflow in the booth.	The filter is dirty.	Change the filters.
	There are obstructions in front of the filters.	Remove any obstructions.
	The filters in use do not match the design specifications.	☎ Increase the speed of the fan, if possible. Change the filters to match the design specifications.
	The fan blades are dirty.	Clean the fan blades.
	The fan is not turning fast enough.	☎ Adjust the variable-pitched sheaves so they are closer together, then check the amperage draw. Re-adjust the variable-pitched sheaves as necessary.
There is too much airflow.	The filters are not properly seated.	Ensure that all filters are in place.
	The fan is rotating too fast.	Slow the fan down by adjusting the variable-pitched sheaves.
The exhaust fan overloads.	The motor is running too fast.	Compare the recommended amperage draw on the motor identification tag with the draw of the motor while the motor is running. If the amperage draw of the motor reads higher than recommended, slow the fan down by adjusting the variable-pitched sheaves.
	The belt alignment and tension may be incorrect.	Loosen and line up the motor pulleys by adjusting the motor base.
	The ductwork is inappropriately applied.	Check the static pressure of the ductwork configuration and adjust as necessary.
	The filters are dirty.	Replace the filters.
The manometer is not functioning properly.	The fluid level is low.	Check the fluid level and add fluid as necessary.
	There are obstructions in the hoses.	Clear any obstructions in the hoses.
A light is not functioning properly.	The wiring of the light may not be 120 or 277 volts AC.	Change the wiring as necessary.
	A light tube has burned out.	Replace the light tube.
	The ballast is malfunctioning.	Replace the ballast.

☎ = Call for a consultation

Department Reference Guide

Use the following guide to help you determine whether to contact the parts department or the customer service department with your questions. To contact either department, call **(800) 848-8738.** Then follow the voice prompts for the correct department. You may leave a message on the voice mail system, and someone will get back to you as soon as possible. If you prefer to send a fax, dial (715) 597-2193. Be sure to address the correct department on your fax.

When you order replacement parts for your product, it is important to know the following information BEFORE ordering: Model Number, Serial Number, Part Number, Part Description and Quantity, Purchase Order Number or Credit Card Number, Preferred Shipping Method (UPS, Federal Express, Truck, Air, etc.) and Complete Shipping and Billing Address. You can find the Model Number and Serial Number of your product on the ID Plate located on your product.

Parts Department

All standard and custom products are designed and built by Global Finishing Solutions. All parts are retained on file for immediate reference, replacement, and availability.

Pricing for Parts

Current prices and delivery costs will be quoted F.O.B. from Osseo, Wisconsin, Postal Code 54758.

Supplier to Stock New/Replacement Parts

For replacement parts and supplies, contact the parts department. We will help you locate your nearest distributor.

Note

If you have questions about the warranty, please contact your distributor prior to contacting Global Finishing Solutions.

Customer Service

Global Finishing Solutions provides ongoing customer and technical support for its customers. You can reach a customer service representative during regular business hours.

Returning Parts

- All goods to be returned for credit or exchange must be accompanied by a Return Goods Authorization form. Call Global Finishing Solutions to request form. Goods are subject to a 30% handling charge.
- Special non-stock items can be accepted only with the approval of our suppliers and are subject to any additional handling and restocking charges.

Availability and Service

Critical operational parts for productions and customer safety will be shipped overnight when possible.

Operation and Maintenance Manuals

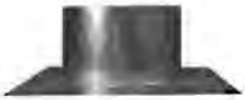
Global includes an electronic copy of the operation & maintenance manual with each job. You may purchase additional electronic or printed manuals by contacting customer service.

Other Services

- Installation questions
- Arrange for an installation
- Arrange for a service call
- Notify Global Finishing Solutions of undelivered parts or other shipment problems

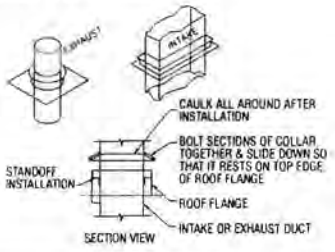
Other Accessories

Ductwork	Part No.	Diameter	
		Inches	mm
45° Exhaust Elbows	DU-E45-18	18	457
	DU-E45-24	24	607
	DU-E45-34	34	864
	DU-E45-40	40	1016
90° Exhaust Elbows	DU-E90-18	18	457
	DU-E90-24	24	607
	DU-E90-34	34	864
	DU-E90-40	40	1016
Automatic Roof Ventilator Note: Less Connector Ring	DU-ARV-18	18	457
	DU-ARV-24	24	607
	DU-ARV-34	34	864
	DU-ARV-40	40	1016
Connector Ring/Fan Ring	FR-1811	18	457
	FR-2411	24	607
	FR-3411	34	864
	FR-4011	40	1016
Plain Exhaust Pipe	DU-PLP-18-3	18	457
	DU-PLP-24-3	24	607
	DU-PLP-34-3	34	864
	DU-PLP-40-3	40	1016
Plain Exhaust Pipe w/Clean Out	DU-PLP-18-3-CO	18	457
	DU-PLP-24-3-CO	24	607
	DU-PLP-34-3-CO	34	864
	DU-PLP-40-3-CO	40	1016

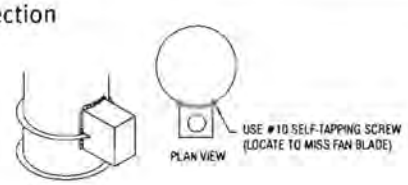
Ductwork	Part No.	Diameter	
		Inches	mm
Flat Roof Flange  NOTE: Not designed for corrugated roofing.	DU-FRF-18-WC	18	457
	DU-FRF-24-WC	24	607
	DU-FRF-34-WC	34	864
	DU-FRF-40-WC	40	1016
Pitched Roof Flange P= Pitch, specify pitch when ordering. NOTE: Not designed for corrugated roofing.	DU-PRF-18-P-WC	18	457
	DU-PRF-24-P-WC	24	607
	DU-PRF-34-P-WC	34	864
	DU-PRF-40-P-WC	40	1016
Automatic Shutter	DU-SHW-18-18	18	457
	DU-SHW-24-24	24	607
	DU-SHW-36-34	34	864
	DU-SHW-42-40	40	1016
Guy Wire Kit	DU-GWK-18	18	457
	DU-GWK-24	24	607
	DU-GWK-34	34	864
	DU-GWK-40	40	1016
Muffler	MUF-18365	18	457
	MUF-24361	24	607
	MUF-34362	34	864
	MUF-40363	40	1016
Spiral Duct L= Length R= Connector Rings, specify when ordering.	DU-SPP-18-L-R	18	457
	DU-SPP-24-L-R	24	607
	DU-SPP-34-L-R	34	864
	DU-SPP-40-L-R	40	1016

Miscellaneous Duct Detail

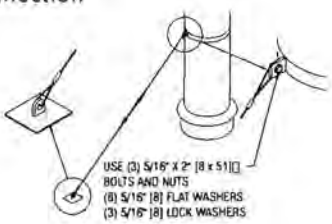
Roof Flange and Collar Connection


EXHAUST
INTAKE
CAULK ALL AROUND AFTER INSTALLATION
BOLT SECTIONS OF COLLAR TOGETHER & SLIDE DOWN SO THAT IT RESTS ON TOP EDGE OF ROOF FLANGE
STANDOFF INSTALLATION
ROOF FLANGE
INTAKE OR EXHAUST DUCT
SECTION VIEW

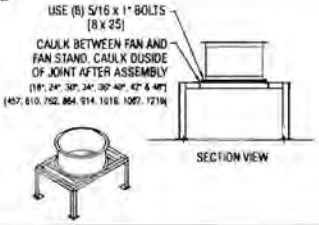
Motor Cover Connection



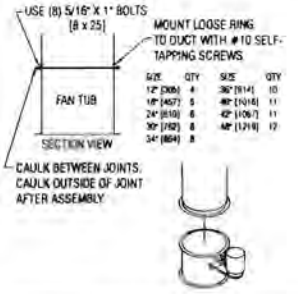
Guy Wire Kit Connection



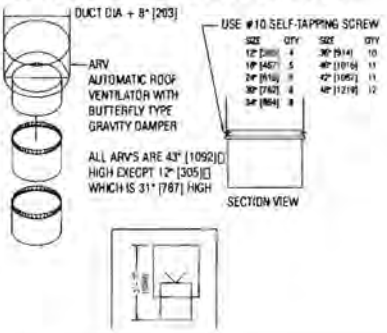
Fan to Stand Connections



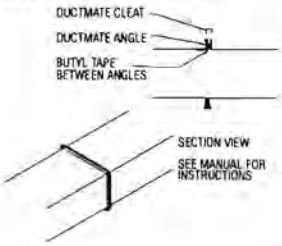
Duct to Fan Connection


USE (8) 5/16" X 1" BOLTS [8 x 25]
MOUNT LOOSE RING TO DUCT WITH #10 SELF-TAPPING SCREWS
FAN TUB
SECTION VIEW
CAULK BETWEEN JOINTS. CAULK OUTSIDE OF JOINT AFTER ASSEMBLY

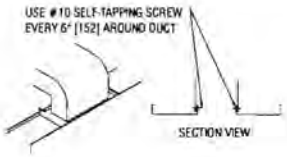
Roof Ventilator Detail and Duct to Duct Connection


DUCT DIA + 8" [203]
ARV AUTOMATIC ROOF VENTILATOR WITH BUTTERFLY TYPE GRAVITY DAMPER
ALL ARV'S ARE 43" [1092]□ HIGH EXECPT 12" [305]□ WHICH IS 31" [787] HIGH
USE #10 SELF-TAPPING SCREW
SECTION VIEW

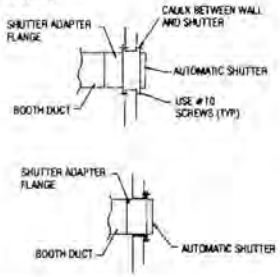
AMU Duct Connection (Ductmate)



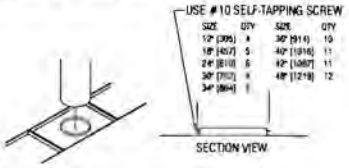
AMU Duct to Booth Connection



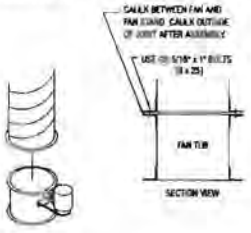
Automatic Shutter to Wall



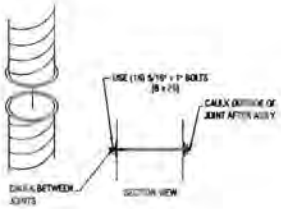
Exhaust Duct to Booth Connection



Spiral Duct to Fan Connection



Spiral Duct Connection



ADVANCE

US and Canada Warranty Ballast Replacement Procedure for Global Finishing Solutions

General:
The Advance electronic ballasts that Global Finishing Solutions purchases have a 5-year warranty from the date of manufacture. This warranty can be serviced directly by Advance with little or no involvement on the part of Global. This North American-wide warranty service is an important part of the Advance value proposition.

Procedure:
Should a Global customer report a failed ballast, they should be instructed to call Advance for an immediate replacement.
USA: (800)372-3331, ext. #2
Canada: (800)668-6358, ext. #4

In both cases a replacement ballast will be sent to the customer at no charge. Advance may or may not want the failed ballast returned for analysis. In such instances, Advance will pay the shipping costs.

The date code is stamped on the bottom of the ballast. Instructions on reading the date code are printed on page 2-18 of the Advance Atlas.

Should a customer express any concerns about warranty service, please have them call David Sypes: (705)735-1214.

Prepared by David Sypes: November 4, 2002

OSRAM SYLVANIA

Date:___/___/___

Ballast Warranty Request

Requestor:	Job:
Company:	Company:
Contact:	Contact:
Email:	Email:
Address:	Address:
City, State, Zip:	City, State, Zip:
Phone:	Phone:
Fax:	Fax:
Have lamps been changed? ☐ Yes ☐ No	Install Date:

Ceiling height and brief description of installation:

Brief description of the issue:

Ballast Model Number	Qty. Installed	Qty. Defective	Date Code	Q60#

Lamp Brand Installed	Lamp Model Number	Fixture Brand and Model

Terms and Conditions

All Warranty Requests must be submitted to the Warranty Customer Service Team via:
- Phone: (800)654-0089
- Fax: (866)632-9674
- Email: warranty.service@sylvania.com

OSRAM SYLVANIA Warranty Customer Service will determine course of action for each claim submitted according to the published warranties and policies of OSRAM SYLVANIA.

BARRIE, ONTARIO, CANADA
OSSEO, WISCONSIN, USA
DALLAS, TEXAS, USA
PHONE: 1-800-466-5672 or 1-800-845-8736

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PULLEY SETTINGS FOR 18" TUBEAXIAL FANS

MODEL L/MOTOR	HP	RPM	TURNS OPEN	CFM FREE AIR	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"
GFA-18VP-003	1/3	1228	5	2610	2082	1304	*	*	*	*
		1332	4	2831	2419	1608	*	*	*	*

MODEL L/MOTOR	HP	RPM	TURNS OPEN	CFM FREE AIR	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"
GFA-18VP-005	1/2	1437	5	3054	2748	1940	1430	*	*	*
		1541	4	3275	2989	2282	1703	*	*	*

MODEL L/MOTOR	HP	RPM	TURNS OPEN	CFM FREE AIR	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"
GFA-18VP-007	3/4	1437	5	3054	2748	1940	1430	*	*	*
		1541	4	3275	2989	2282	1703	*	*	*
		1646	3	3499	3231	2642	2011	1618	*	*
		1750	2	3720	3468	2988	2343	1878	*	*
		1854	1	3941	3701	3326	2686	2187	*	*

MODEL L/MOTOR	HP	RPM	TURNS OPEN	CFM FREE AIR	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"
GFA-18VP-010	1	1593	6	3386	3109	2461	1857	*	*	*
		1698	5	3609	3350	2816	2167	1748	*	*
		1802	4	3830	3586	3158	2516	2034	*	*
		1907	3	4053	3822	3494	2862	2341	1700	*
		2011	2	4274	4055	3820	3219	2673	1969	*
		2116	1	4498	4289	4081	3570	3021	2231	*

MODEL L/MOTOR	HP	RPM	TURNS OPEN	CFM FREE AIR	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"
GFA-18VP-020	2	2116	6	4498	4289	4081	3570	3021	2231	*
		2220	5	4719	4520	4322	3910	3367	2530	*
		2325	4	4942	4752	4563	4246	3727	2836	*
		2429	3	5163	4981	4800	4573	4075	3158	*
		2534	2	5386	5212	5038	4864	4419	3511	2833
		2638	1	5607	5440	5273	5106	4754	3851	3140

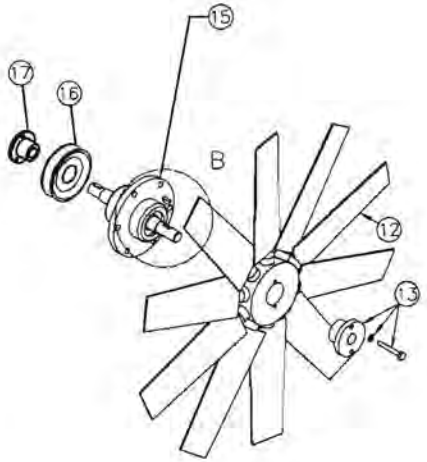
Revised - 06-02-04

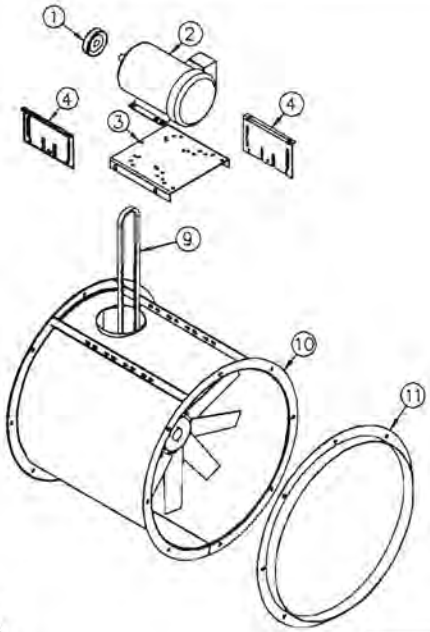
MOTOR AND MOUNTING HARDWARE			
ITEM	PART #	DESCRIPTION	QTY
1	SEE CHART A	MOTOR PULLEY	1
2	SEE CHART B	MOTOR	1
9	SEE CHART A	V-BELT FOR FAN	1
10	MFA-18	18" FAN ASSEMBLY	1
11	FR-1811	18" STACK RING (11 GA.)	1

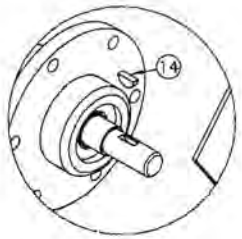
18" FAN BLADE REPLACEMENT KIT (PART# GFB-18)			
ITEM	PART #	DESCRIPTION	QTY
12	FB-1750-8B	18" FAN BLADE	1
13	SH x ¾	¾" SH TAPERED BUSHING	1
14	SS-1575	W/RUFF KEY (NOT SHOWN)	1

FAN HUB, PULLEY AND BUSHING = JH-1824			
ITEM	PART #	DESCRIPTION	QTY
15	HU-1824	18" FAN HUB	1
16	PU-3015	DRIVEN FAN PULLEY BSHG REQD.	1
17	213-507	H x ¾" BROWNING BUSHING	1

CHART B - MOTOR PART NUMBERS			
HORSE POWER	VOLTAGE	TOTALLY ENCLOSED TEFC	EXPLOSION PROOF XPFC
1/3	115/208-230/60/ 1	MT003-DV1-0056	MX003-DV1-0056
	208-230/460/ 60/ 3	MT003-TV3-0056	MX003-TV3-0056
	575/ 60/ 3	MT003-573-0056	MX003-573-0056
1/2	115/208-230/60/ 1	MT005-DV1-0056	MX005-DV1-0056
	208-230/460/ 60/ 3	MT005-TV3-0056	MX005-TV3-0056
	575/ 60/ 3	MT005-573-0056	MX005-573-0056
3/4	115/208-230/60/ 1	MT007-DV1-0056	MX007-DV1-0056
	208-230/460/ 60/ 3	MT007-TV3-0056	MX007-TV3-0056
	575/ 60/ 3	MT007-573-0056	MX007-573-0056
1	115/208-230/60/ 1	MT010-DV1-0056	MX010-DV1-0056
	208-230/460/ 60/ 3	MT010-TV3-0056	MX010-TV3-0056
	575/ 60/ 3	MT010-573-0056	MX010-573-0056
2	115/208-230/60/ 1	MT020-DV1-145T	N/A
	208-230/460/ 60/ 3	MT020-TV3-145T	MX020-TV3-145T
	575/ 60/ 3	MT020-573-0184	MX020-573-145T







DETAIL B

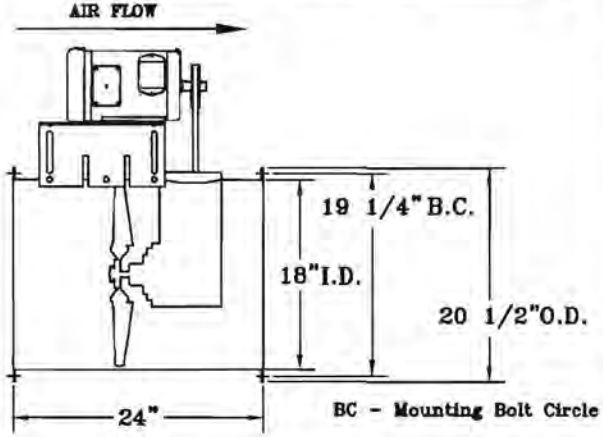


CHART A - SPECIFICATIONS (10 BLADE FAN ASSEMBLIES)					
FAN ASS'Y LESS MOTOR	HORSE POWER	MOTOR TYPE	MOTOR SHAFT SIZE	MOTOR PULLEY	"V" BELT (QTY)
GFA-18VP-003	⅓	TE / EX	⅝"	PVP-242610	BT-140 (1)
GFA-18VP-005	½	TE / EX	⅝"	PVP-283010	BT-140 (1)
GFA-18VP-007	¾	TE / EX	⅝"	PVP-283610	BT-141 (1)
GFA-18VP-010	1	TE / EX	⅝"	PVP-314110	BT-142 (1)
GFA-18VP-020	2	TE / EX	⅞"	PVP-354511	BT-144 (1)

GLOBAL FINISHING SOLUTIONS™
BARRIE, ONTARIO, CANADA
OSWEGO, WISCONSIN, USA
DALLAS, TEXAS, USA
PHONE: 1-800-689-8872 or 1-905-844-9726

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CONCEPT REVISION

CONTROL REVISION

PROJECT

SPARE PARTS LIST

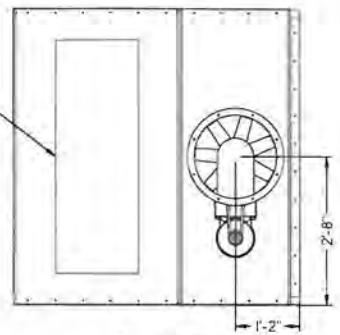
Part Number	
PP-2020-K30-OEM	FILTER PAINT POCKETS 20X20 30CT
LABW12-4	LIGHT INSIDE ACCESS (4 TUBE)
242-001	MANOMETER STD 0-3 IN WATER COLUMN
242-200 (OPTIONAL)	VALVE SOLENOID 120V N.C. .50 FPT
242-019 (OPTIONAL)	VALVE SOLENOID 3-WAY N.C. .50 FPT
242-124 (OPTIONAL)	VALVE SOLENOID 3-WAY N.C. UL .75 FPT
FAN-18VP-005T35	FAN 18DIA VP 1/2HP TEFC 3PH 575V
BG-18	BELT GUARD FOR 18" GLOBAL FAN
BT-140	V-BELT B SEC 40 OL 38.8 PL "B37"
MFA-18	18" FAN ASSEM. C/W MOTOR BRACKET
MT005-573-0056	MOTOR, TEFC 1/2HP 575V 3PH 56FR
PVP-283010	PULLEY VP 5/8BR 1B 2.75-2.95PD

SPARE PARTS LIST

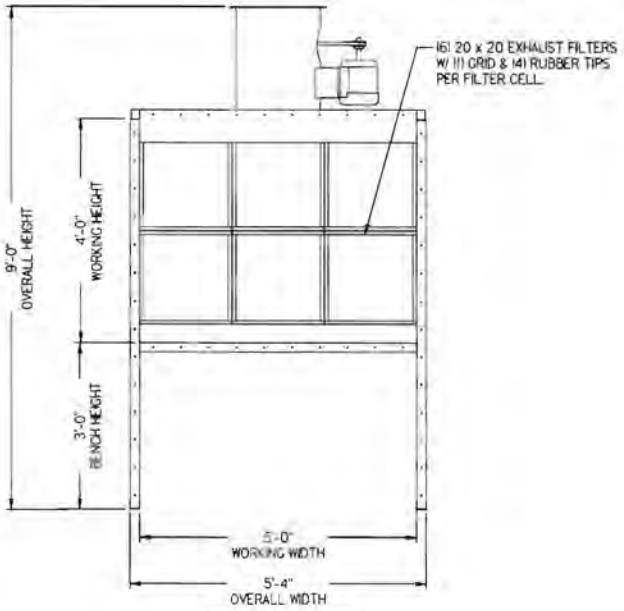
Control Panel	
101-387	BOX WEATHER PROOF SINGLE GANG
103-045	FUSE 600V 1.5 AMP CLASS RK5
115-009	SWITCH 20A SPST WITH W/P COVER
125-010	OVERLOAD HTR SQD B 1.30
127-205	8911DPS013V02 STARTER
127-224	9001 BG201 START/STOP
127-354	ENCL NEMA 1 9991SCG-8
127-369	9999D20 AUX. CONTACT 2 N.O.
127-502	DISCONNECT SWITCH FUSE 600V/3PH/30A
242-200	VALVE SOLENOID 120V N.C. .50 NPT

NOTE
1. BOOTH IS FABRICATED FROM UNPAINTED 18 GA. GALVANIZED SHEET STEEL, PRE-PUNCHED AND COMPANION FLANGED FOR BOLT TOGETHER ASSEMBLY.
2. SOLENOID VALVE REQUIRED FOR INTERLOCKING SPRAY AIR WITH LIGHT LIMIT SWITCH AND EXHAUST. (VALVE CAN BE ORDERED AS AN OPTION FROM GFS)
3. INCLUDED BUT NOT SHOWN
   (1) DRAFT GAUGE

FAN-18VP-005T35	
DIAMETER	18
CFM @ 1/4" SP	2000
HORSEPOWER	1/2
VOLTAGE	575 VOLT
PHASE	3
ENCLOSURE	TEFC

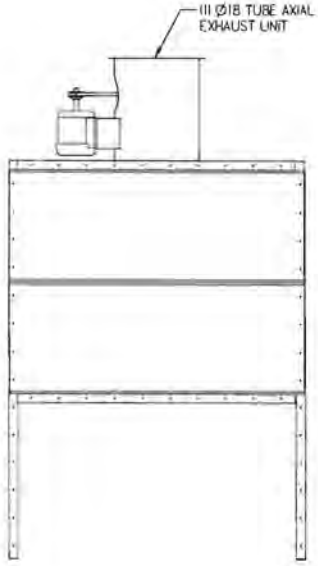


PLAN VIEW


(6) 20 x 20 EXHAUST FILTERS W/ (1) GRID & (4) RUBBER TIPS PER FILTER CELL
9'-0" OVERALL HEIGHT
4'-0" WORKING HEIGHT
3'-0" BENCH HEIGHT
5'-0" WORKING WIDTH
5'-4" OVERALL WIDTH

FRONT ELEVATION

SIDE ELEVATION



BACK ELEVATION

BARRIE, ONTARIO CANADA
GOSSE GARDENS, USA
DALLAS, TEXAS USA
PHONE: 1-800-465-5672 or 1-800-849-8738

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CONCEPT REVISION

REV.1	DATE	BY
REV.2	DATE	BY

CONTROL REVISION

REV.A	DATE	BY
REV.B	DATE	BY
REV.C	DATE	BY
REV.D	DATE	BY
REV.0	DATE	BY

WORK ORDER NUMBER: 40824
DRAWING NUMBER: 73031-01
SCALE: NTS
DATE: 7/8/2005
DRAWN BY:
REVIEWED BY:
APPROVED BY
SHEET: 1 OF 2

DESCRIPTION
FPX-5
INDUSTRIAL FASTPAK - GALV

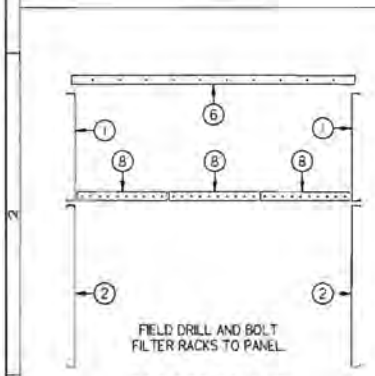
CUSTOMER
GLOBAL FINISHING SOLUTIONS-CANADA
for
ROYAL CANADIAN POLICE / ONTARIO SPR

NOTE
1. USE 5/16" x 3/4" BOLTS & NUTS FOR ALL PANEL TO PANEL CONNECTIONS.
2. FOR REAR EXHAUST, EXCHANGE REAR WALL PANEL (6) WITH FAN PANEL (7).

INSPECTED AND INVENTORIED BY _____

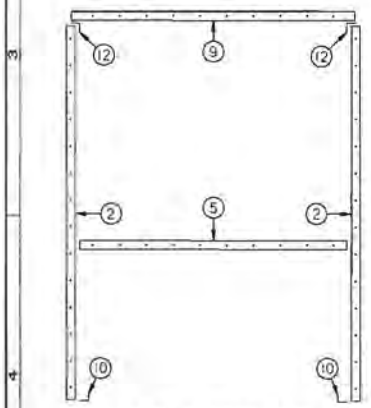
PACKED BY _____

W	S	E	Skid	Item	Qty	Part Number	Description	Material
				1	2	PGBHS-24064-RR	PANEL, 24x63 5/8	18 GA
				2	2	PGBHS-36064-RR	PANEL, 36x63 5/8	18 GA
				3	1	PGB05-24060	PANEL, 24x60	18 GA
				4	1	FCJG8-0600	FIRE CURTAIN, 60"	18 GA
				5	1	PGB05-36060	PANEL, 36x60	18 GA
				6	2	PGBHS-24064-35	PANEL, 24x63 5/8	18 GA
				7	1	PGBHR-24064-18	FAN PANEL, 24x63 5/8	18 GA
				8	3	FRAG8-E2-20040	20x40 FILTER RACK	GALV
				9	1	PGBHL-36064-35	LIGHT PANEL, 36x63 5/8	14 GA
				10	4	TG4-0600	TE ANGLE 2x2x60	14 GA
				11	2	PGBJS-09064-NR5	PANEL, 5 13/16x63 3/8	18 GA
				12	2	TG4-0360	TE ANGLE 2X2x36	14 GA
				13	2	TG4-0240	TE ANGLE 2x2x24	14 GA
				14	1	FAN 18	18" EXHAUST FAN	

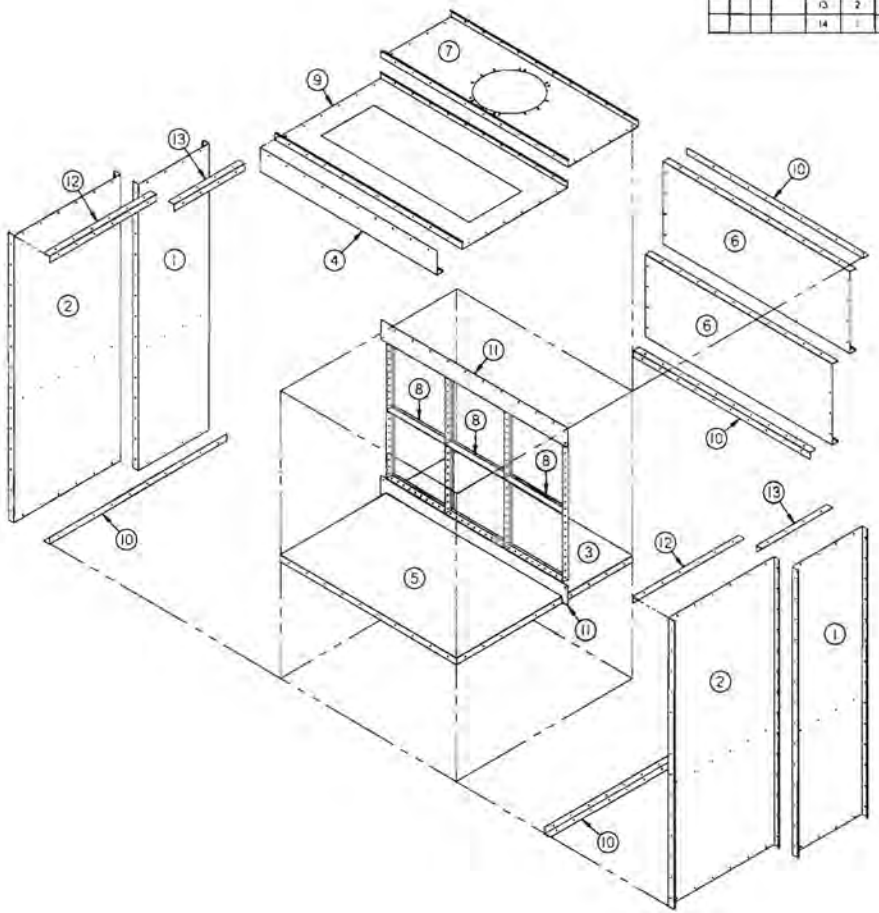


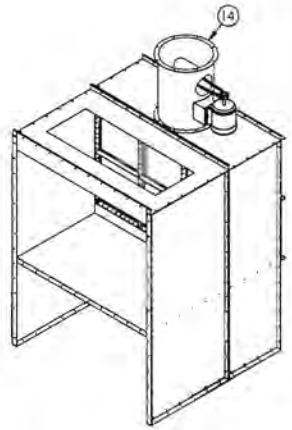
FIELD DRILL AND BOLT FILTER RACKS TO PANEL.

TOP SECTION VIEW



FRONT SECTION VIEW





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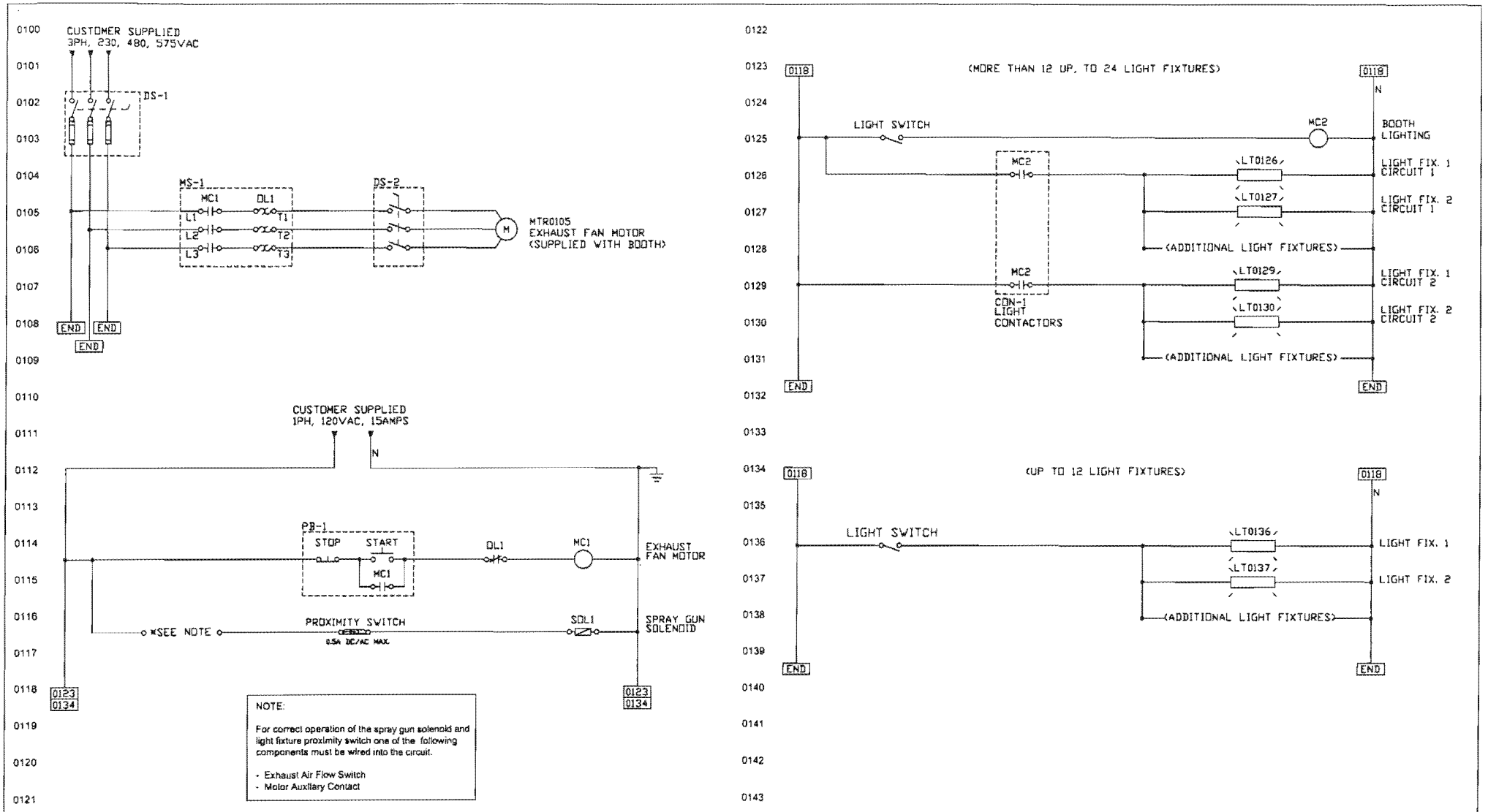
CONCEPT REVISION

CONTROL REVISION

REV. 1	DATE:	BY:	REV. A	DATE:	BY:		
REV. 2	DATE:	BY:	REV. B	DATE:	BY:		
REV. 3	DATE:	BY:	REV. C	DATE:	BY:		
REV. 4	DATE:	BY:	REV. D	DATE:	BY:		

WORK ORDER NUMBER: 40824
DRAWING NUMBER: 73031-02
DESCRIPTION: FPX-5 INDUSTRIAL FASTPAK - GALV
CUSTOMER: GLOBAL FINISHING SOLUTIONS-CANADA
ROYAL CANADIAN POLICE / ONTARIO SPR

SCALE: NTS
DATE: 7/8/2005
DRAWN BY:
REVIEWED BY:
APPROVED BY:
SHEET 2 OF 2



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REV A	DATE 04/04/2004	PIN 2366	DRAWN BY NH	NAME OF PROJECT: NON-PRESSURIZED SPRAY BOOTH
REV	DATE	PIN	DRAWN BY	DRAWING DESCRIPTION: MOTOR & LIGHT CONTROL
REV	DATE	PIN	DRAWN BY	
DATE 15/05/2003	PIN 0000	DRAWN BY N. HUNTER	CHK'D BY -	DRAWING NUMBER: IN2402 SHEET NUMBER: 1 / 1